

APPENDIX B

RADAR PROFILER WIND PLOTS

This appendix provides time/height cross sectional plots of radar profiler winds measured at Simi Valley (Ventura), Franklin Field (Sacramento), and Visalia (San Joaquin Valley) for the 1997 and 1998 episode days analyzed in this report. These plots were used to characterize the various wind flow patterns during ozone episodes. The characterization of the flow patterns during the ozone episodes is presented in Section 4 of this report. Note that the wind data are reported by Pacific Standard Time begin hour.

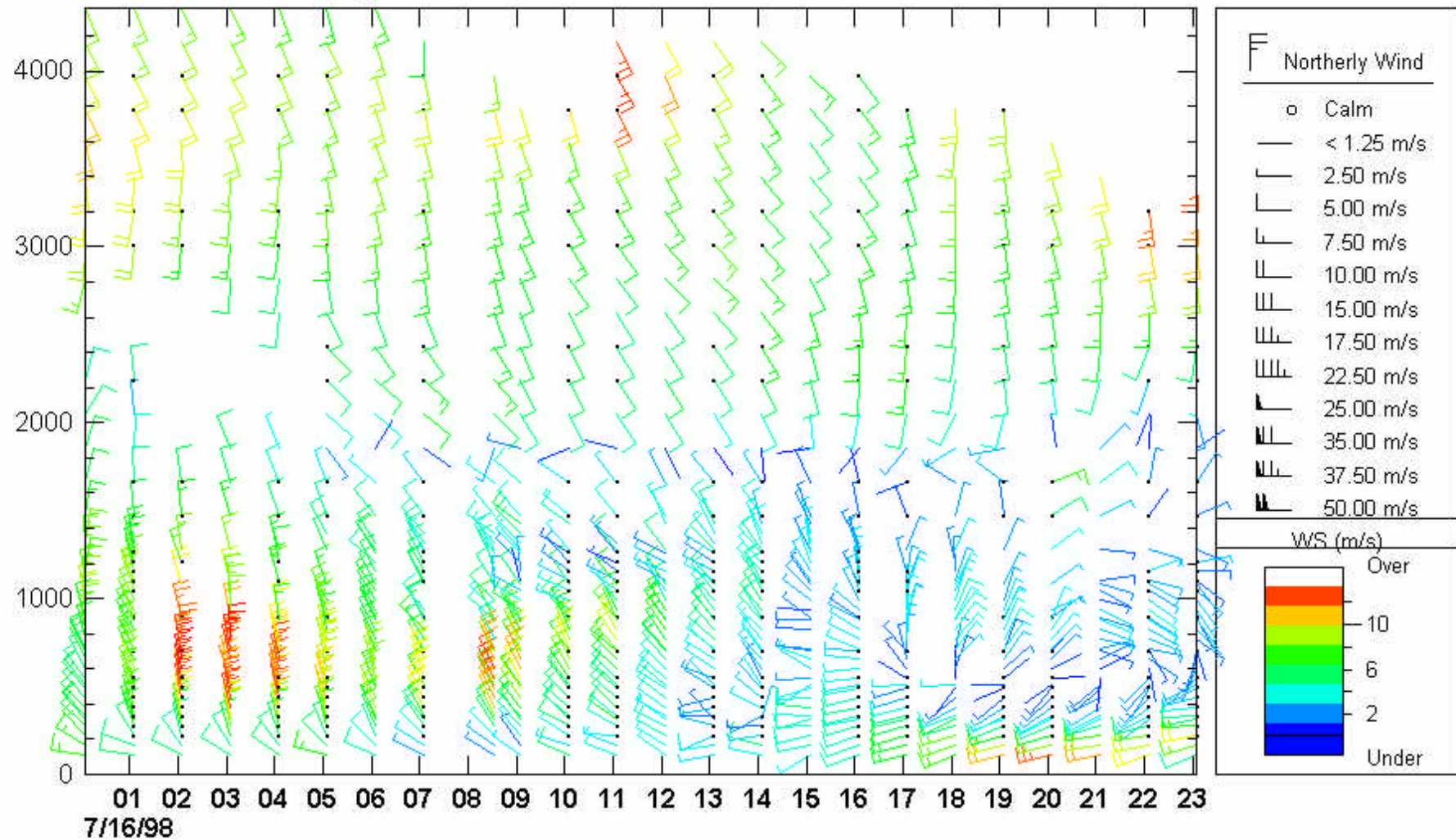
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Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 7/16/98 - 7/16/98



Validation Level: 1.0

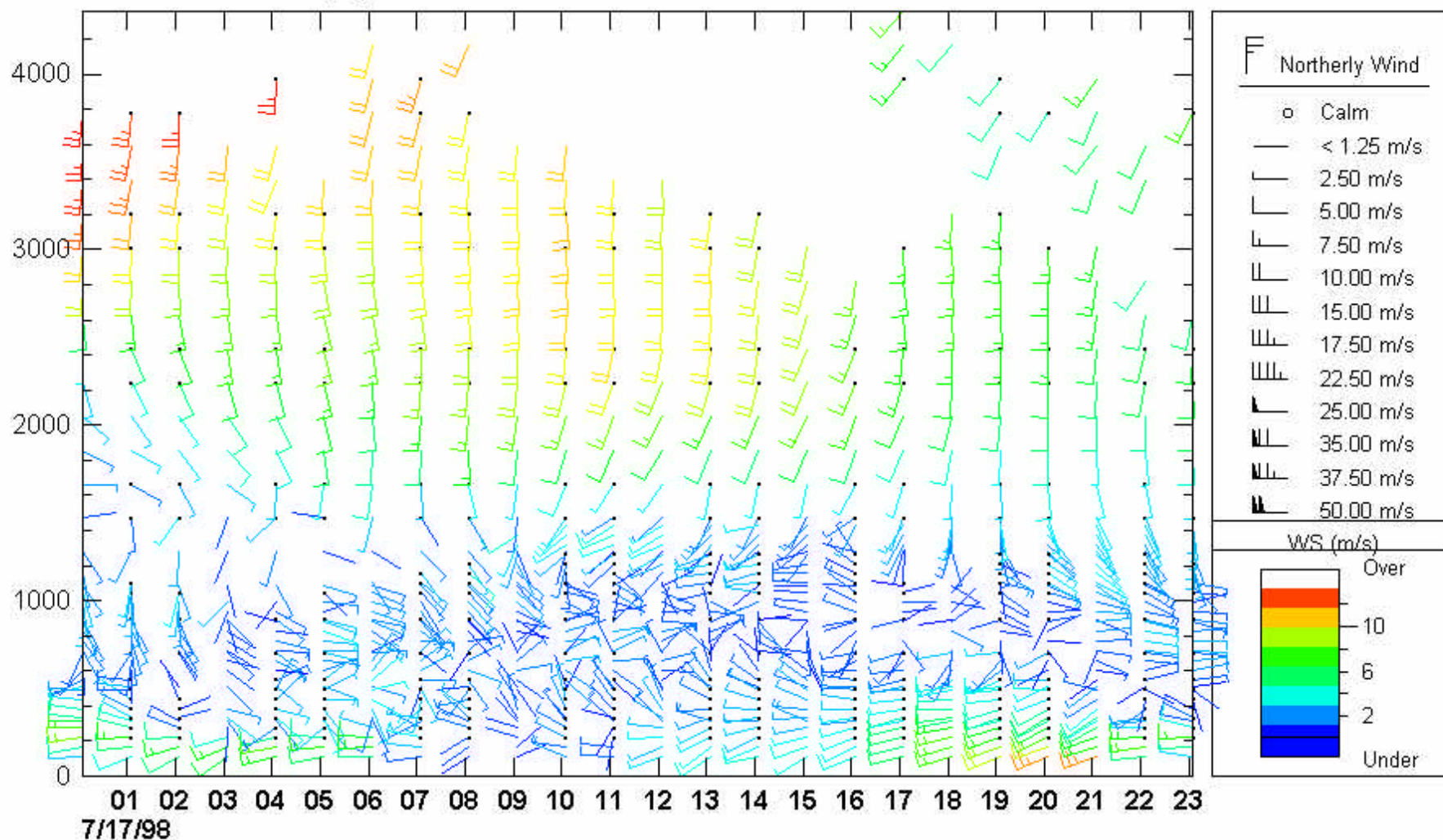
Printed: 5/13/99

Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 7/17/98 - 7/17/98

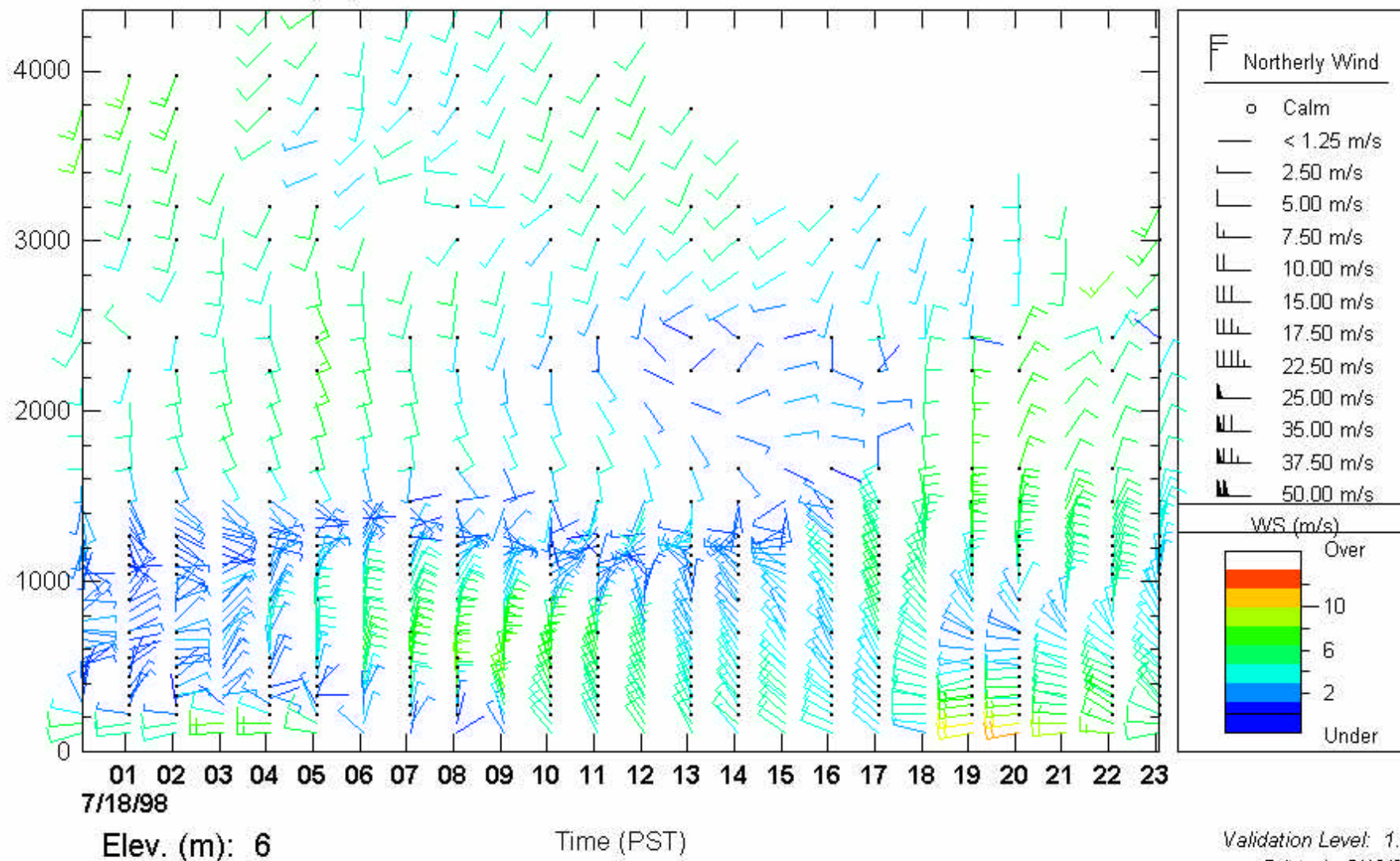


Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 7/18/98 - 7/18/98

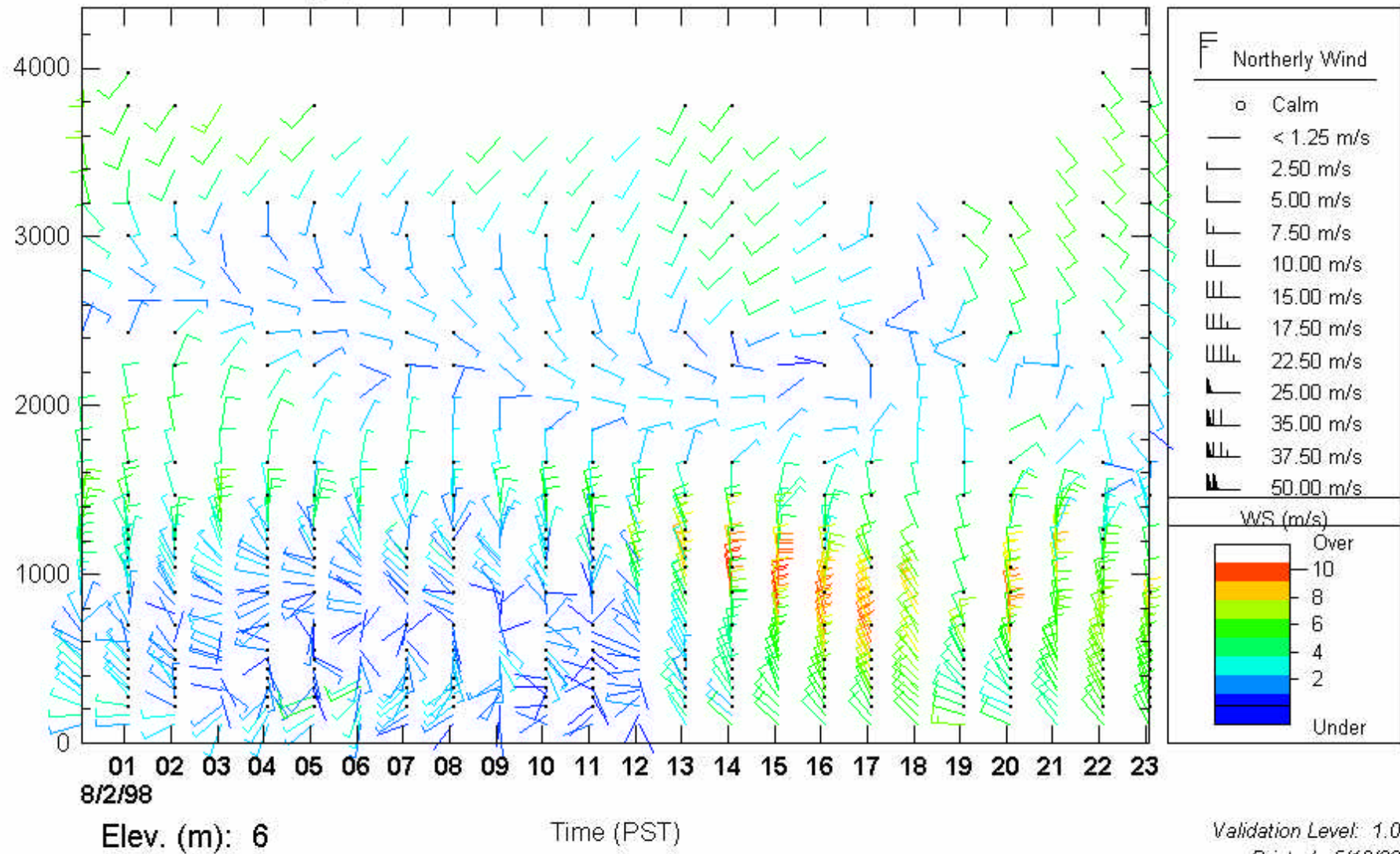


Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 8/2/98 - 8/2/98

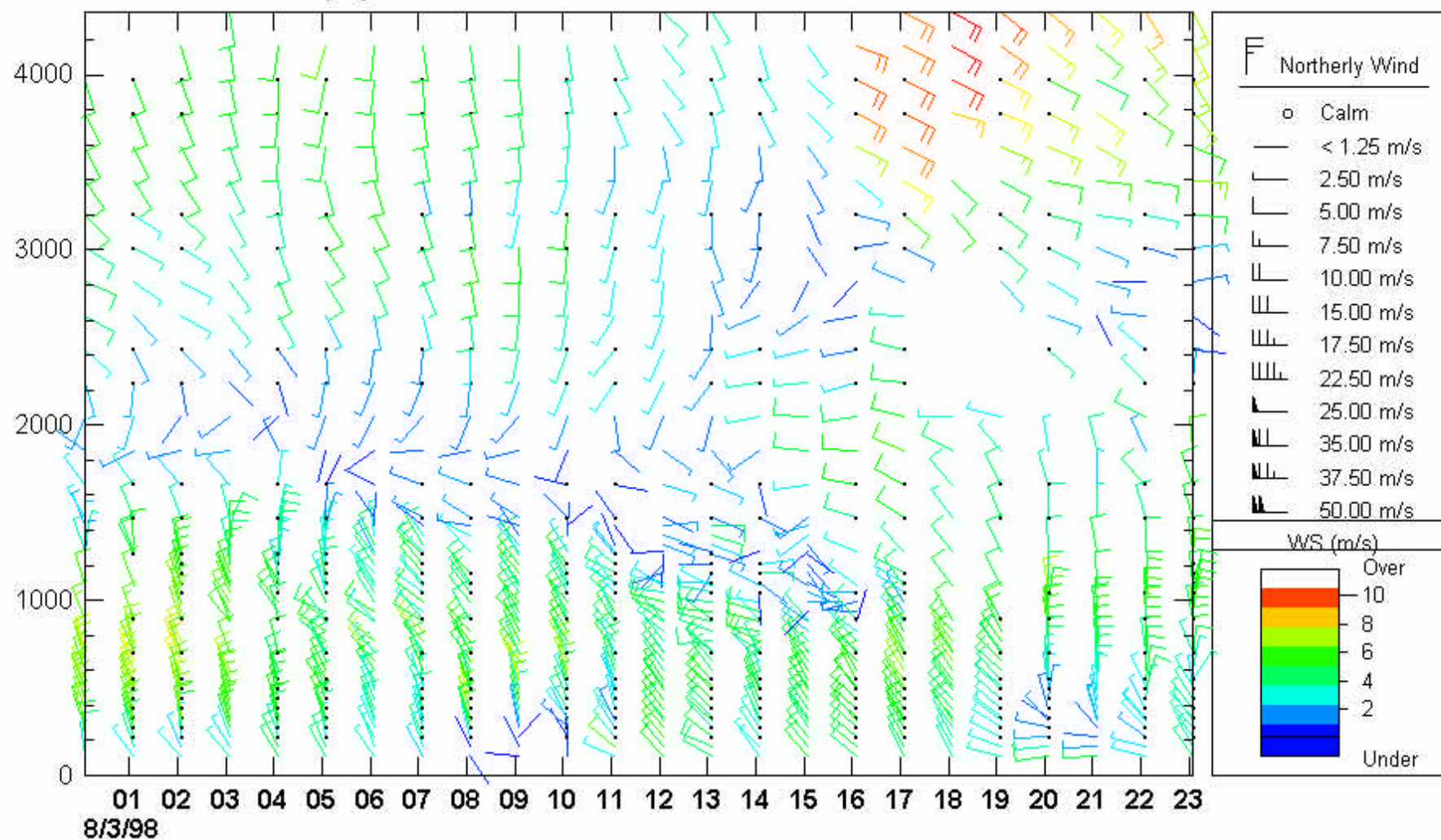


Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 8/3/98 - 8/3/98

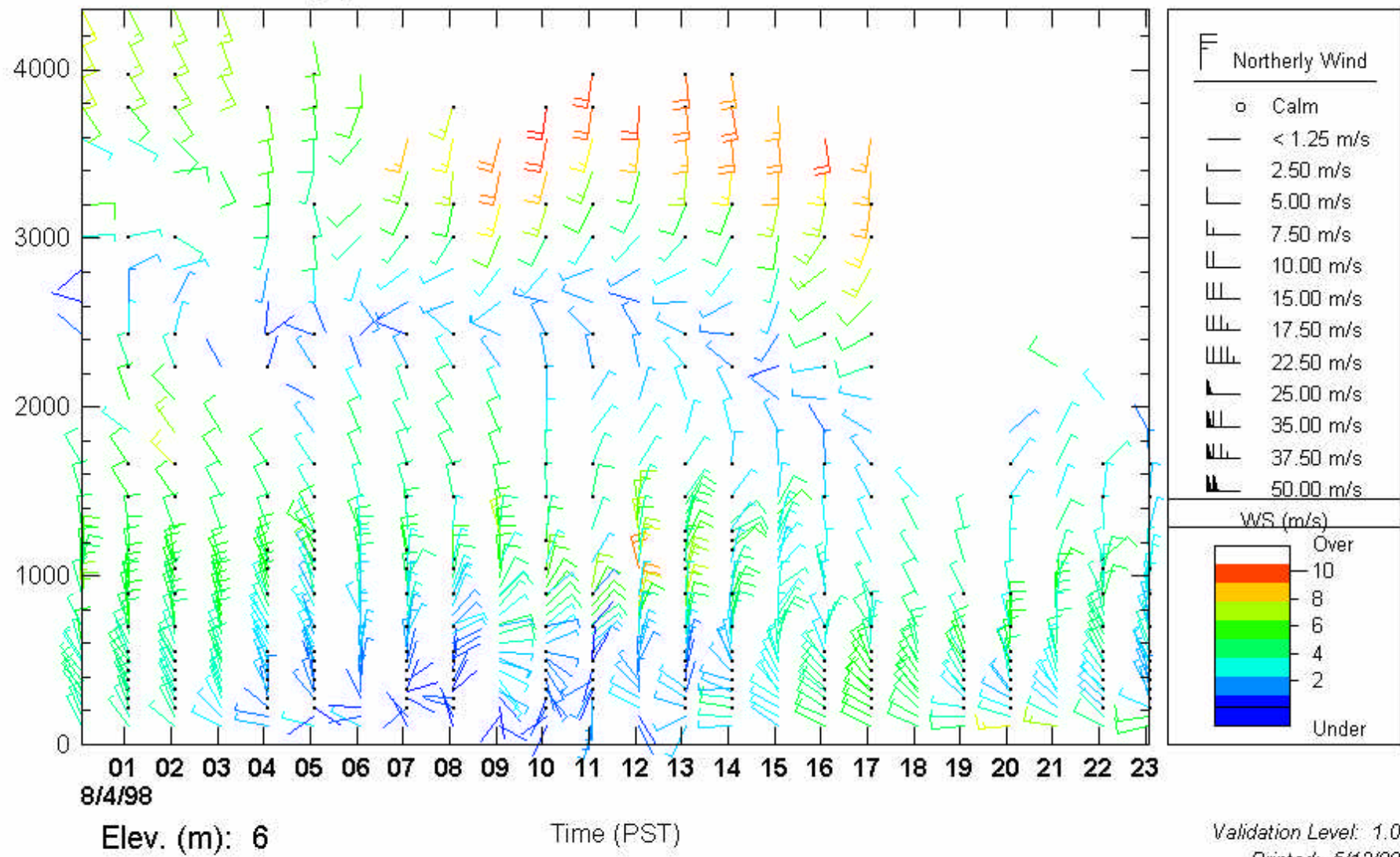


Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 8/4/98 - 8/4/98

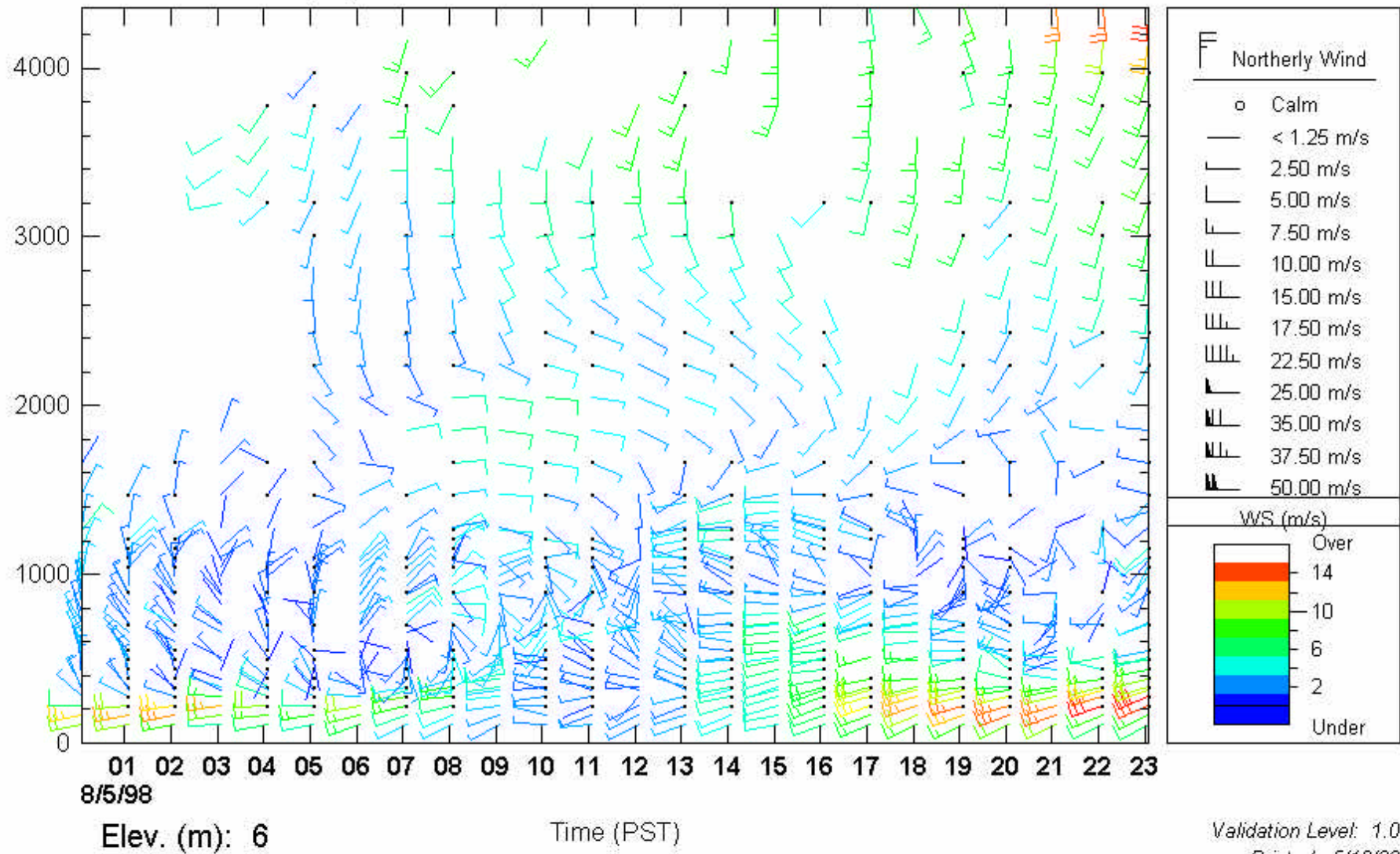


Sacramento Air Quality

Height
(m agl)

Franklin Field ()

Date: 8/5/98 - 8/5/98

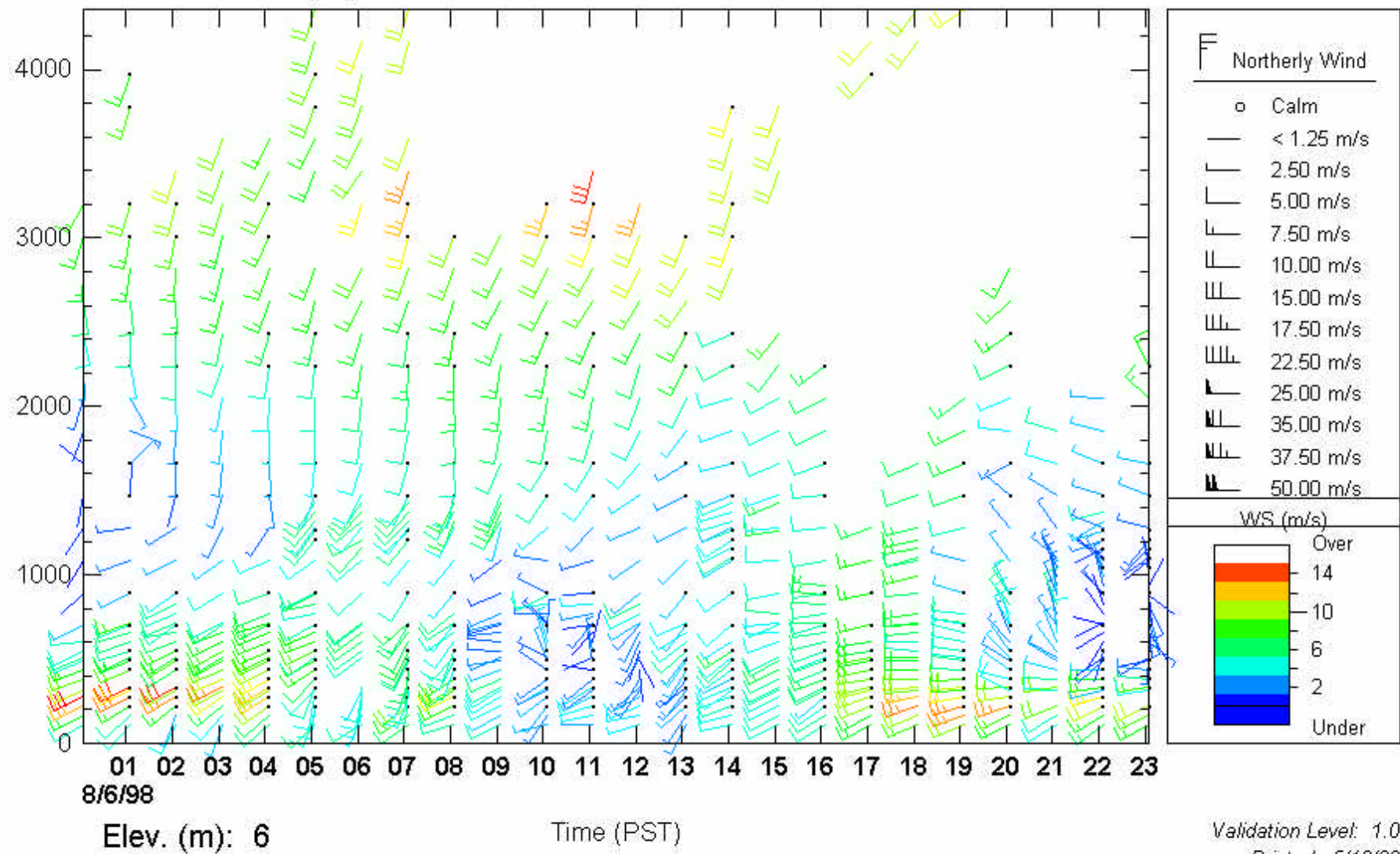


Sacramento Air Quality

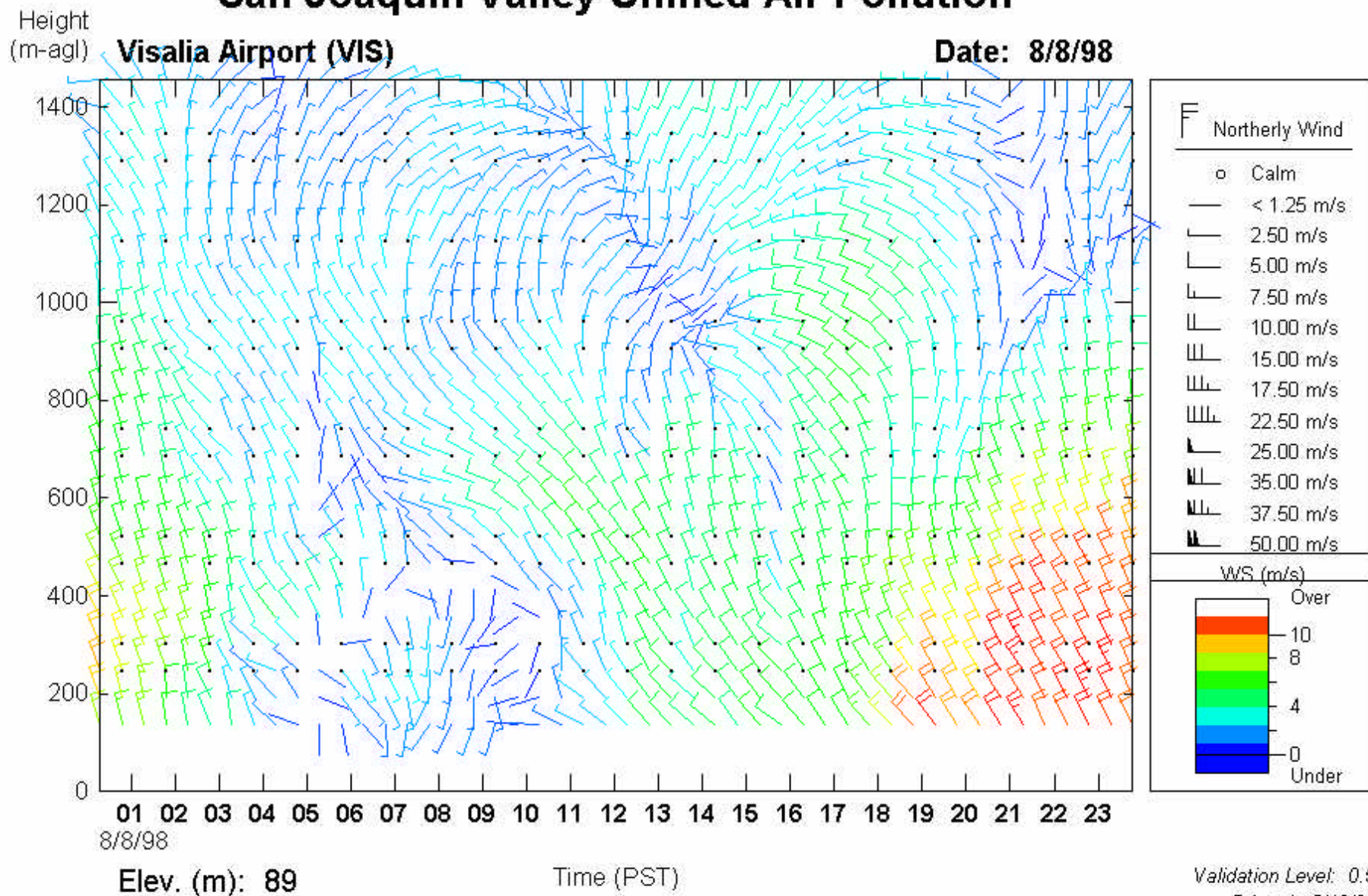
Height
(m agl)

Franklin Field ()

Date: 8/6/98 - 8/6/98



San Joaquin Valley Unified Air Pollution

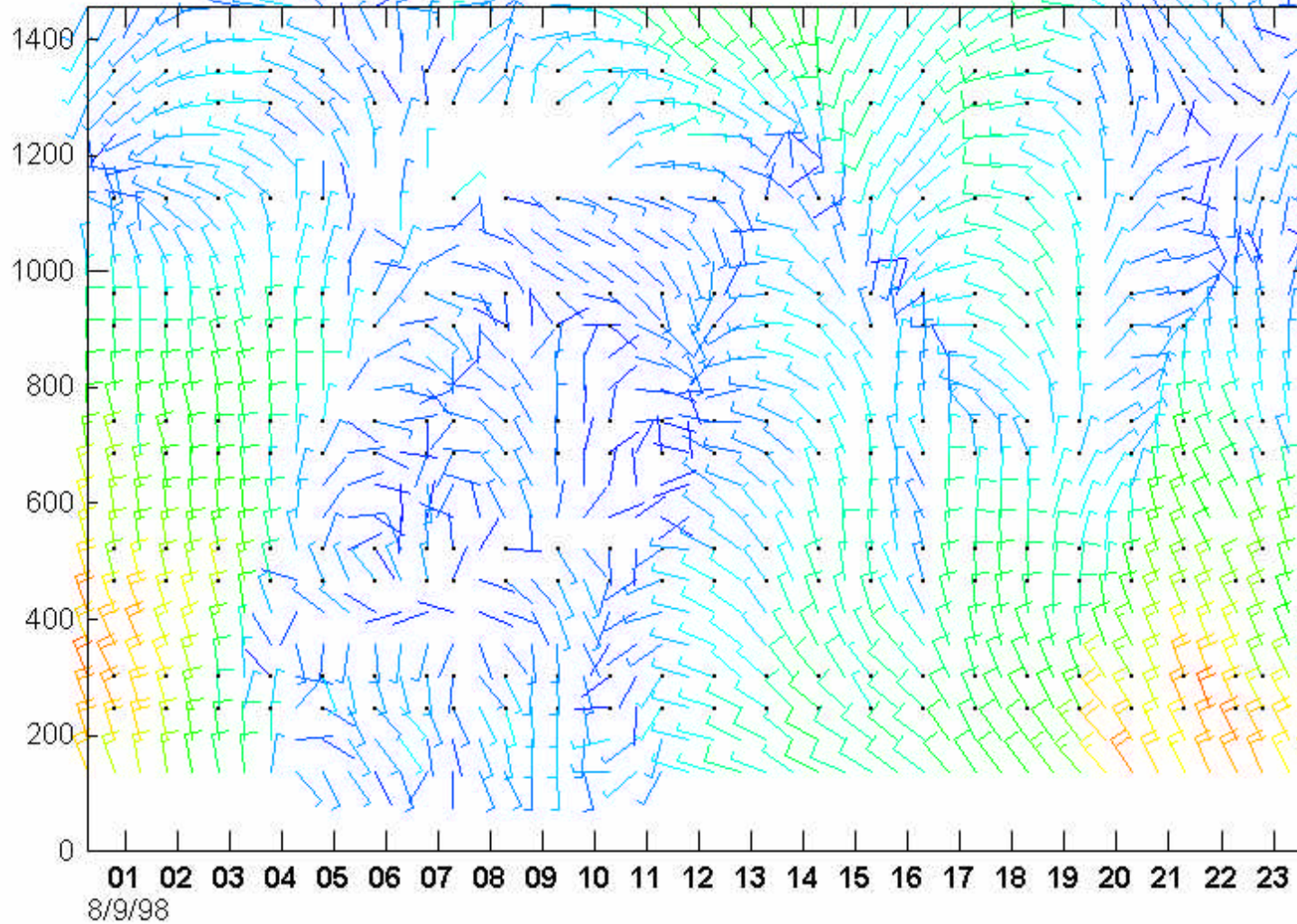


San Joaquin Valley Unified Air Pollution

Height
(m-agl)

Visalia Airport (VIS)

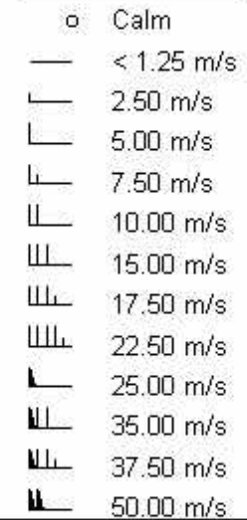
Date: 8/9/98



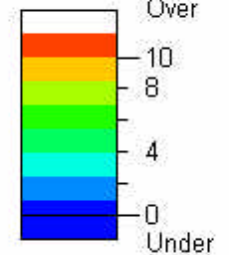
Elev. (m): 89

Time (PST)

Northerly Wind



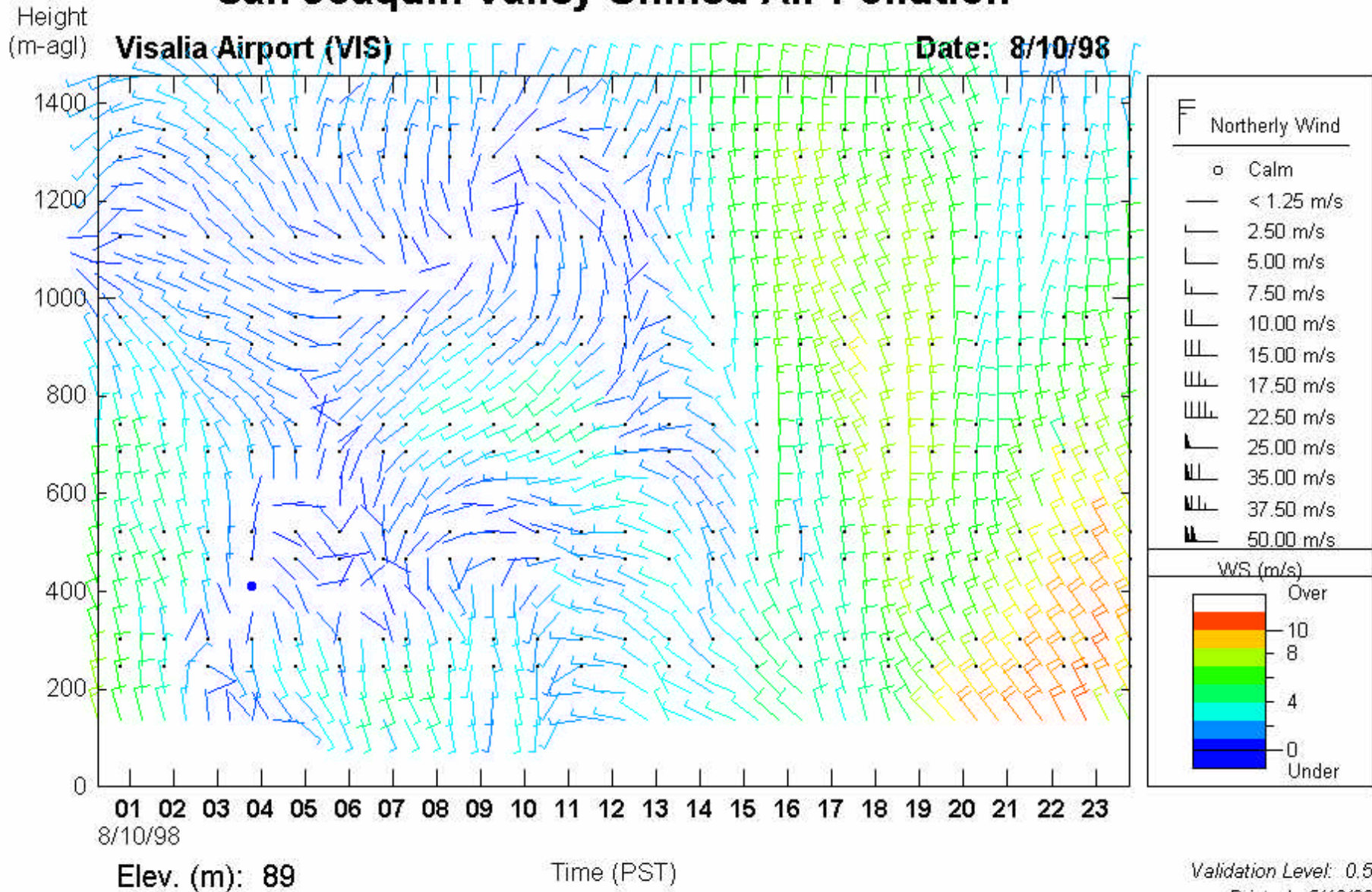
WS (m/s)



Validation Level: 0.5

Printed: 5/13/99

San Joaquin Valley Unified Air Pollution

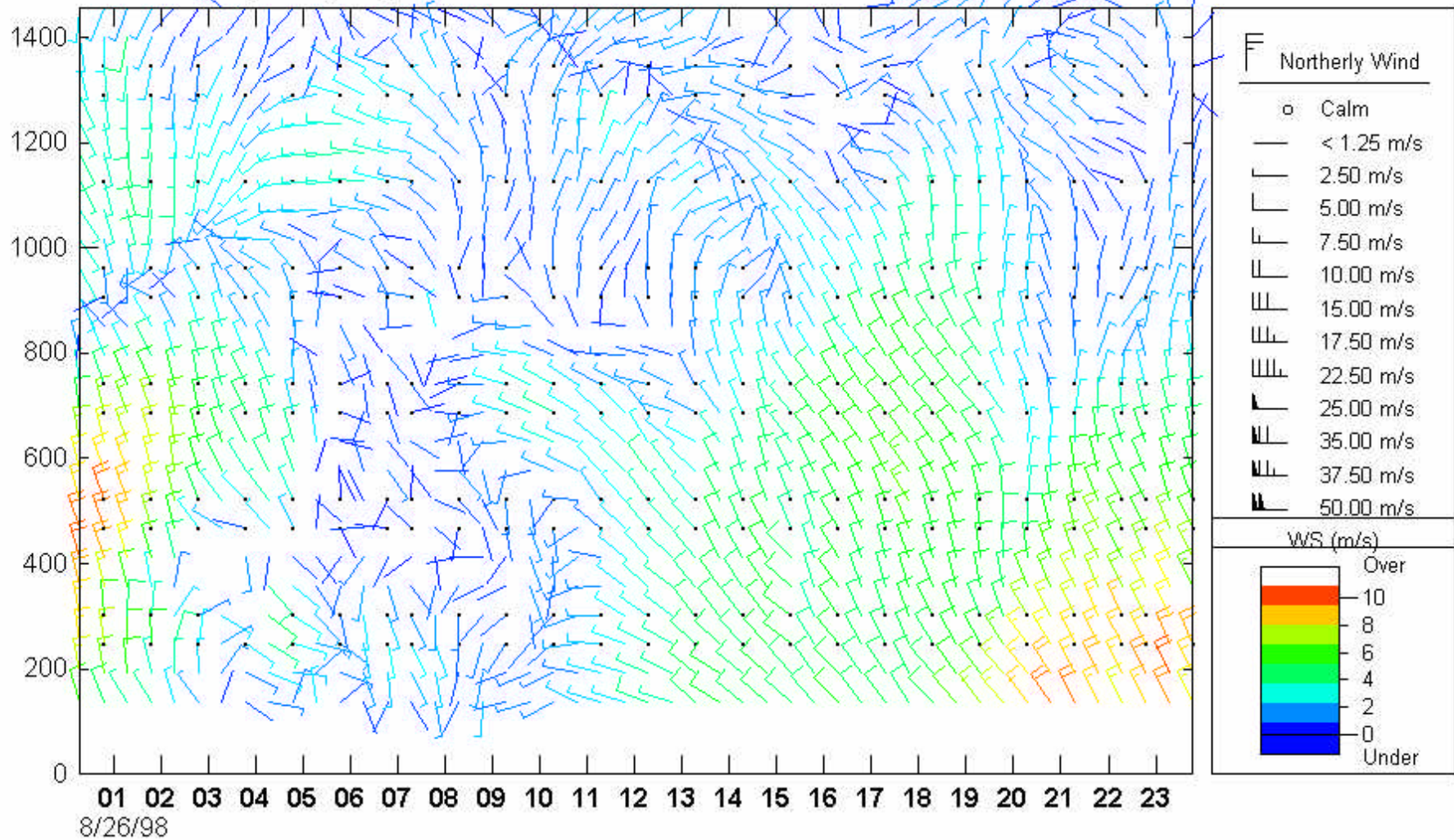


San Joaquin Valley Unified Air Pollution

Height
(m-agl)

Visalia Airport (VIS)

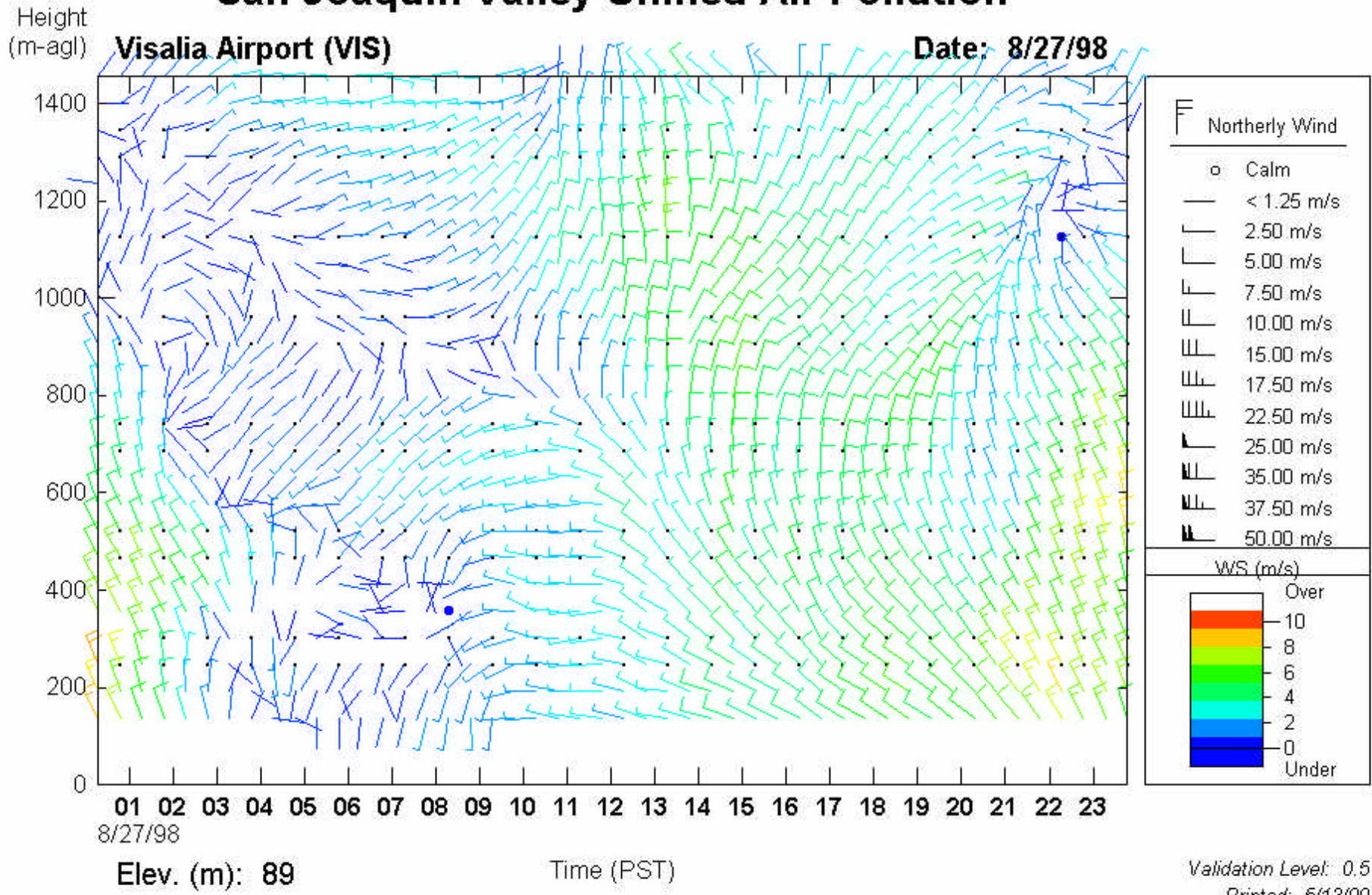
Date: 8/26/98



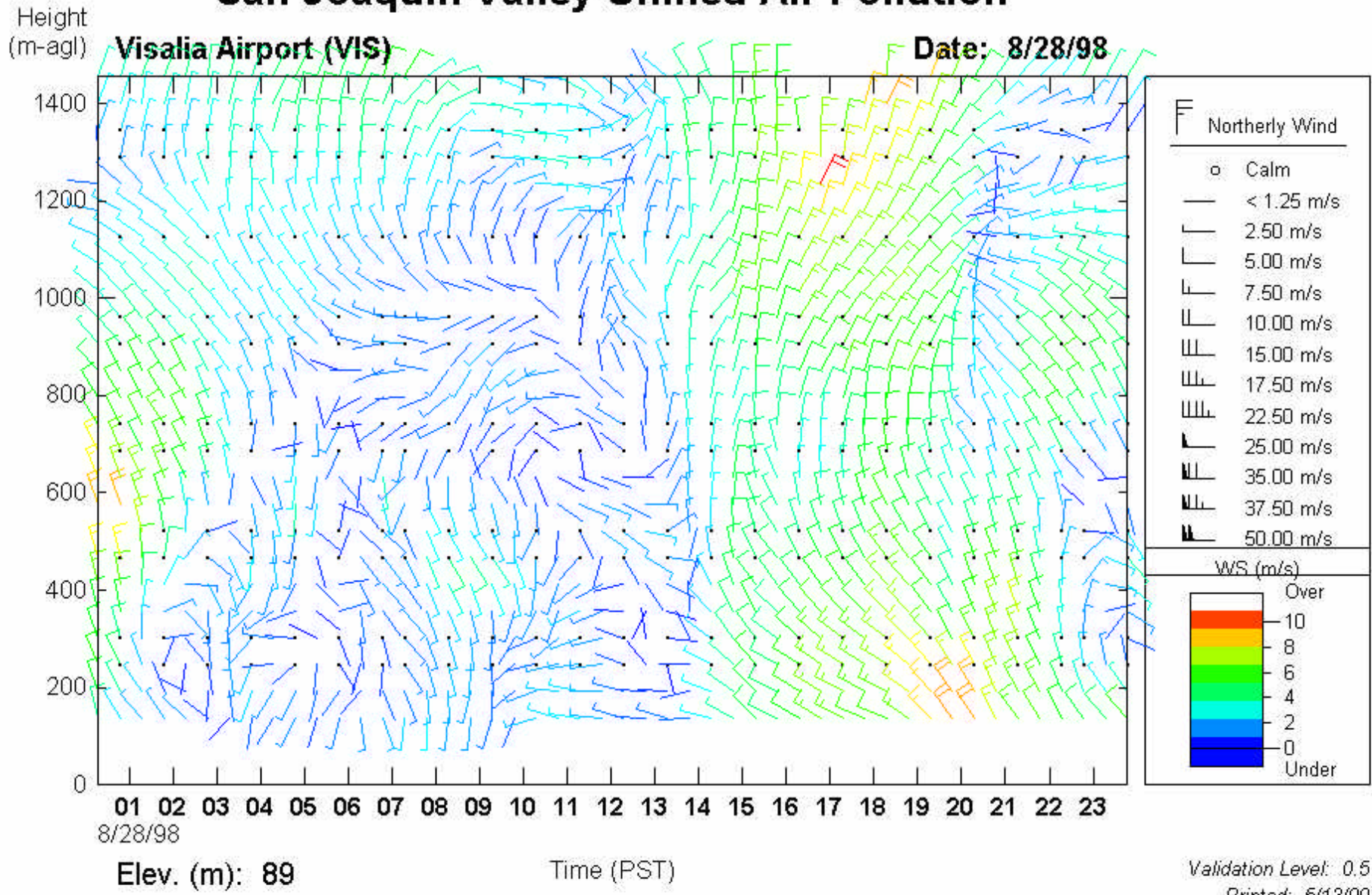
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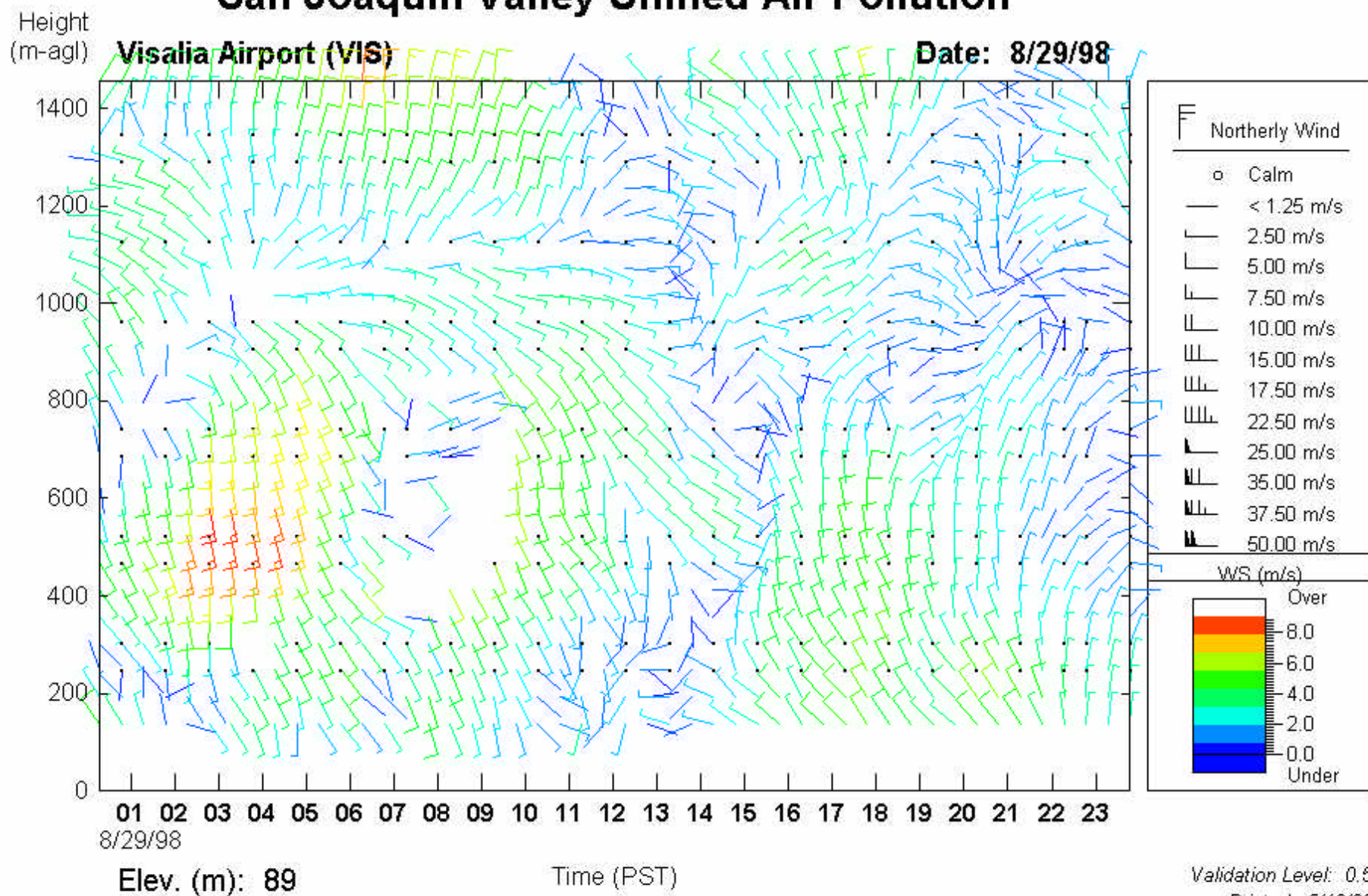
San Joaquin Valley Unified Air Pollution



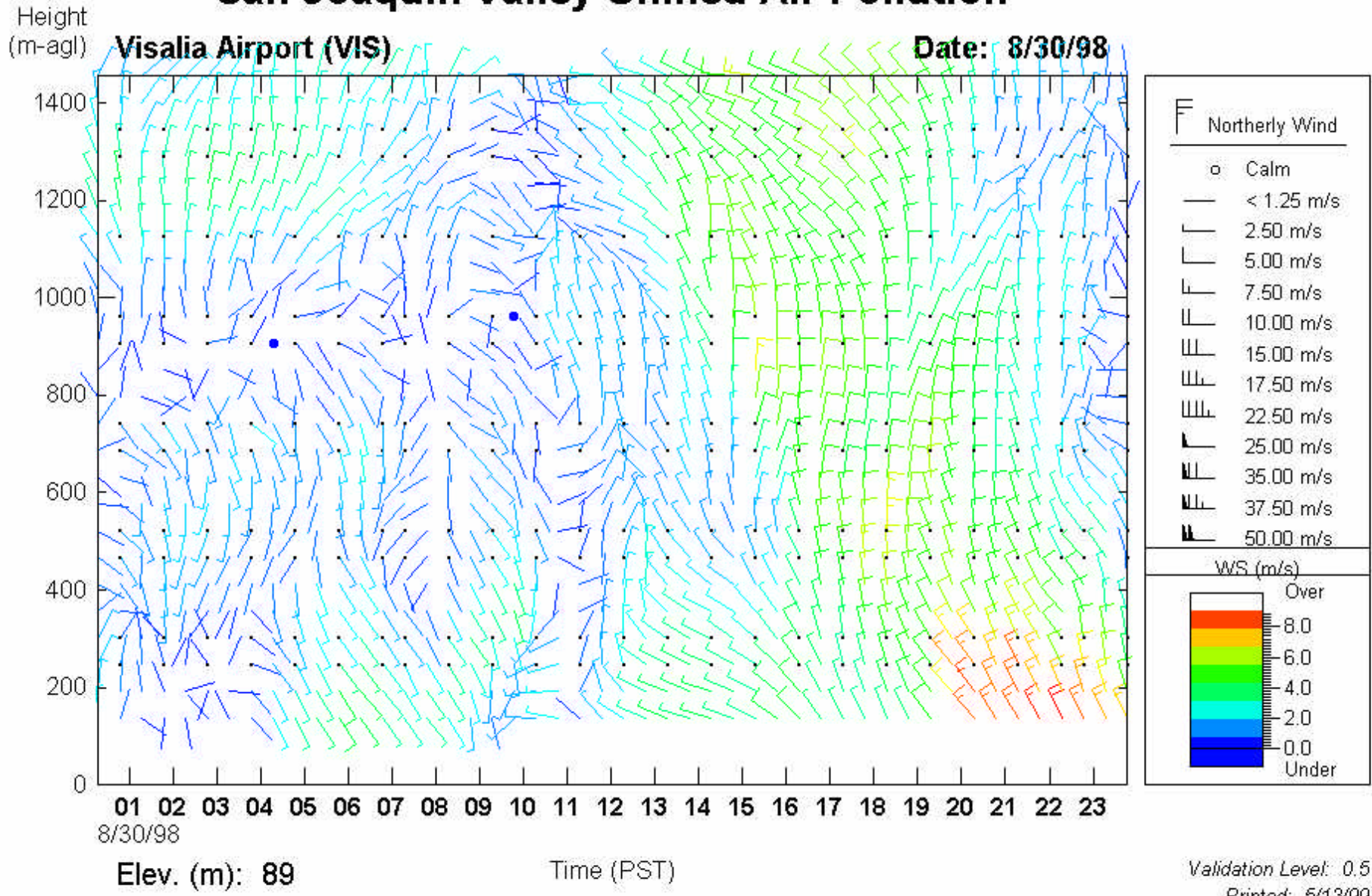
San Joaquin Valley Unified Air Pollution



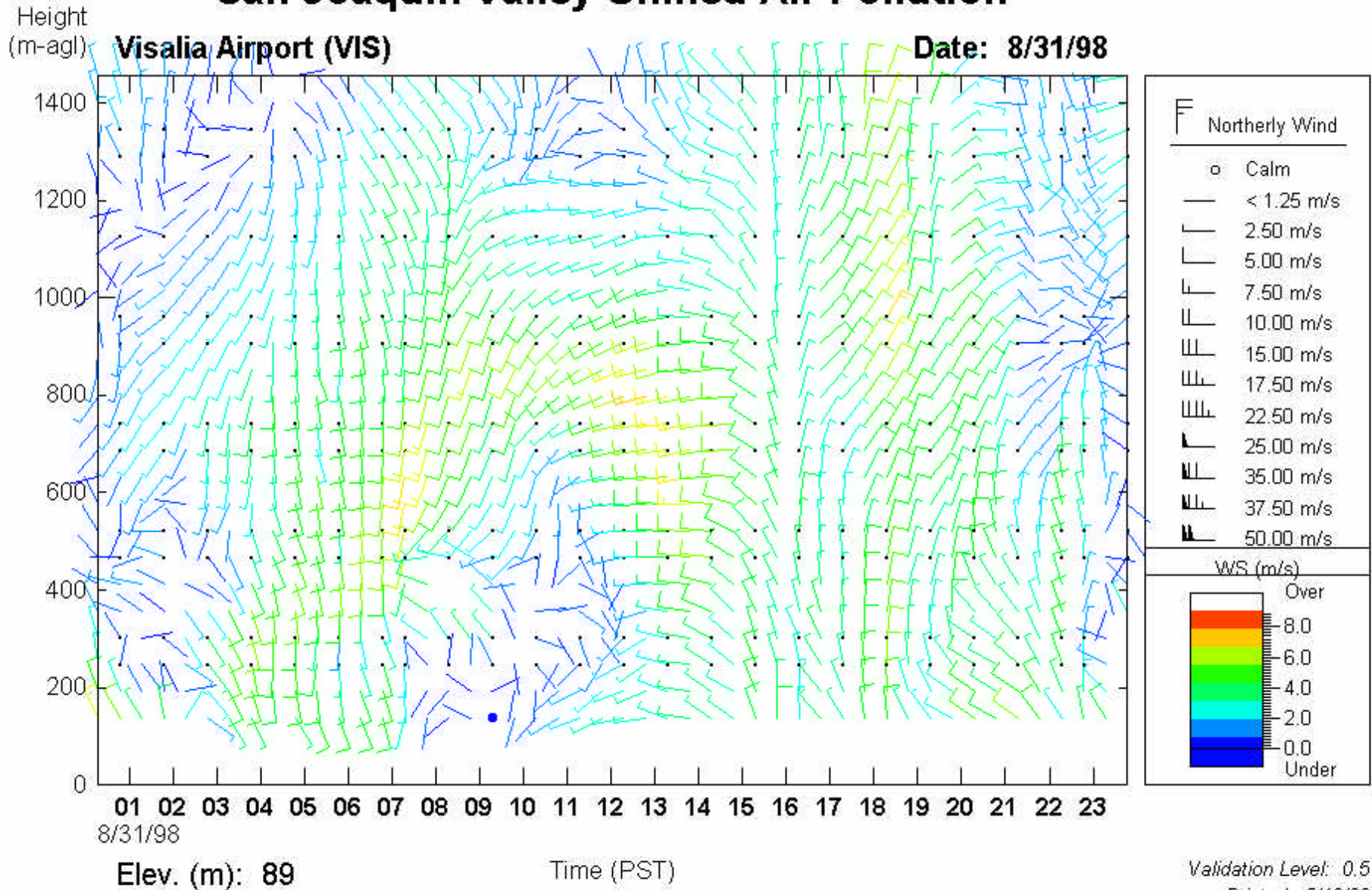
San Joaquin Valley Unified Air Pollution



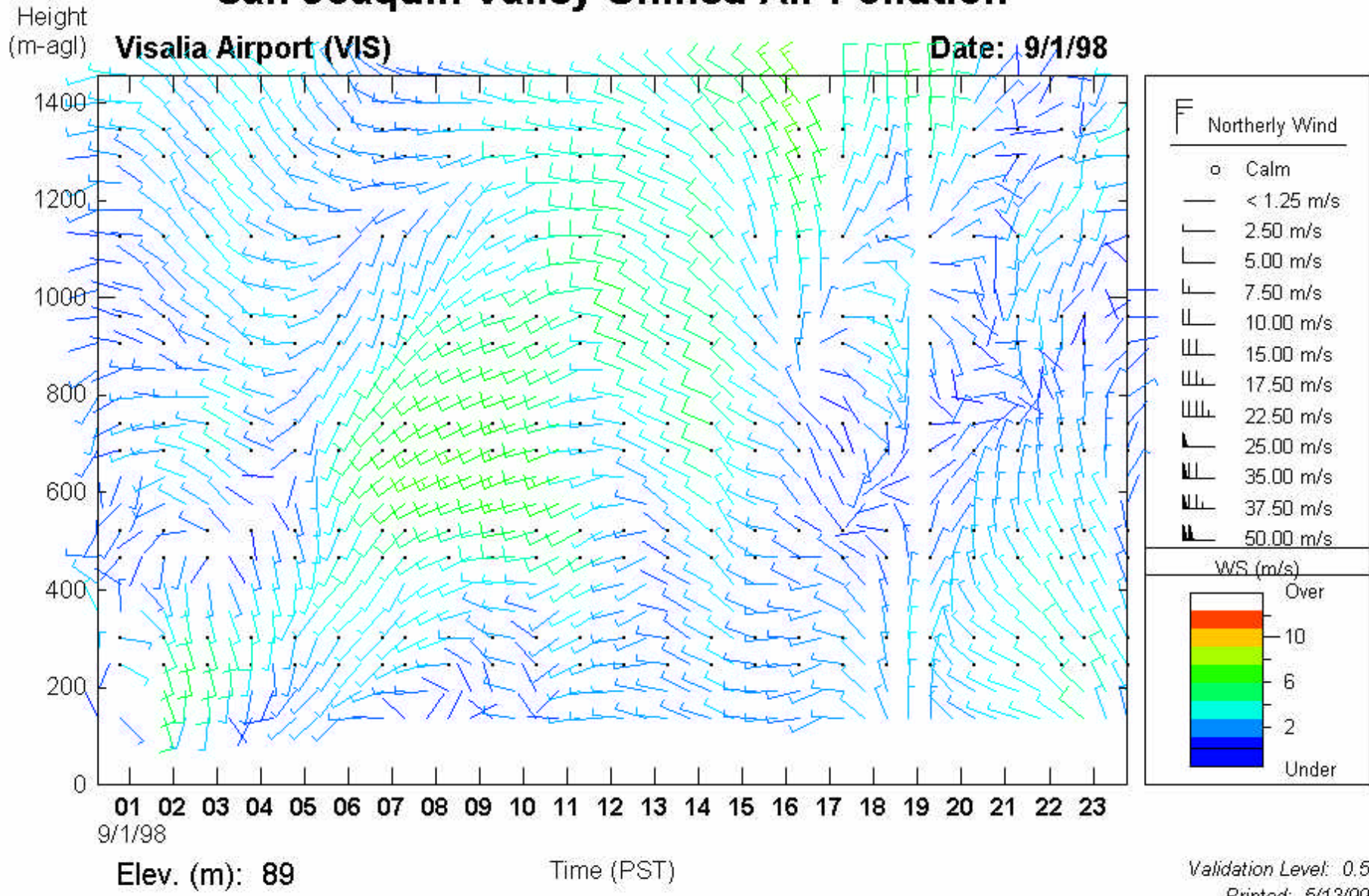
San Joaquin Valley Unified Air Pollution



San Joaquin Valley Unified Air Pollution



San Joaquin Valley Unified Air Pollution

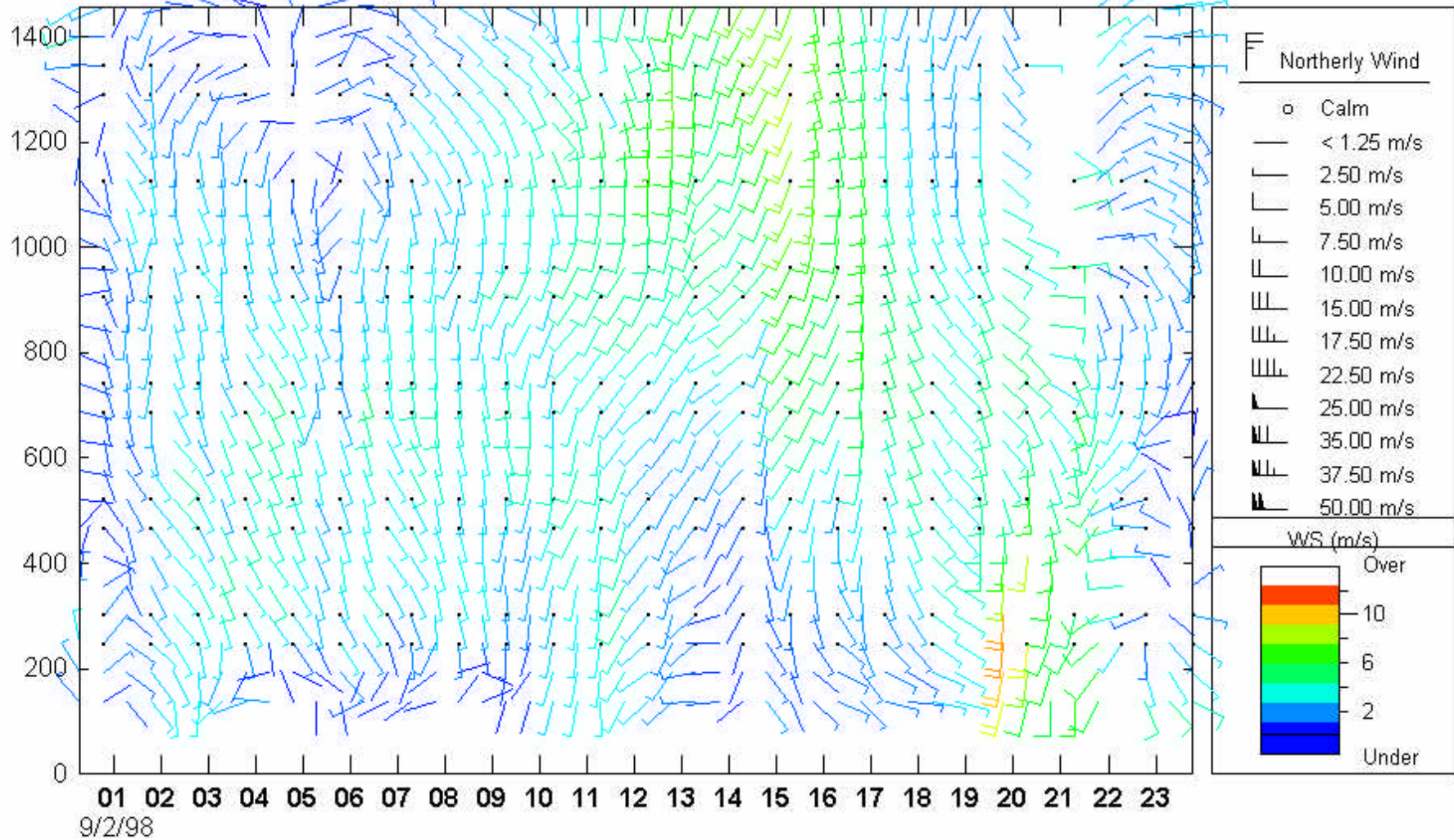


San Joaquin Valley Unified Air Pollution

Height
(m-agl)

Visalia Airport (VIS)

Date: 9/2/98



Elev. (m): 89

Time (PST)

Validation Level: 0.5

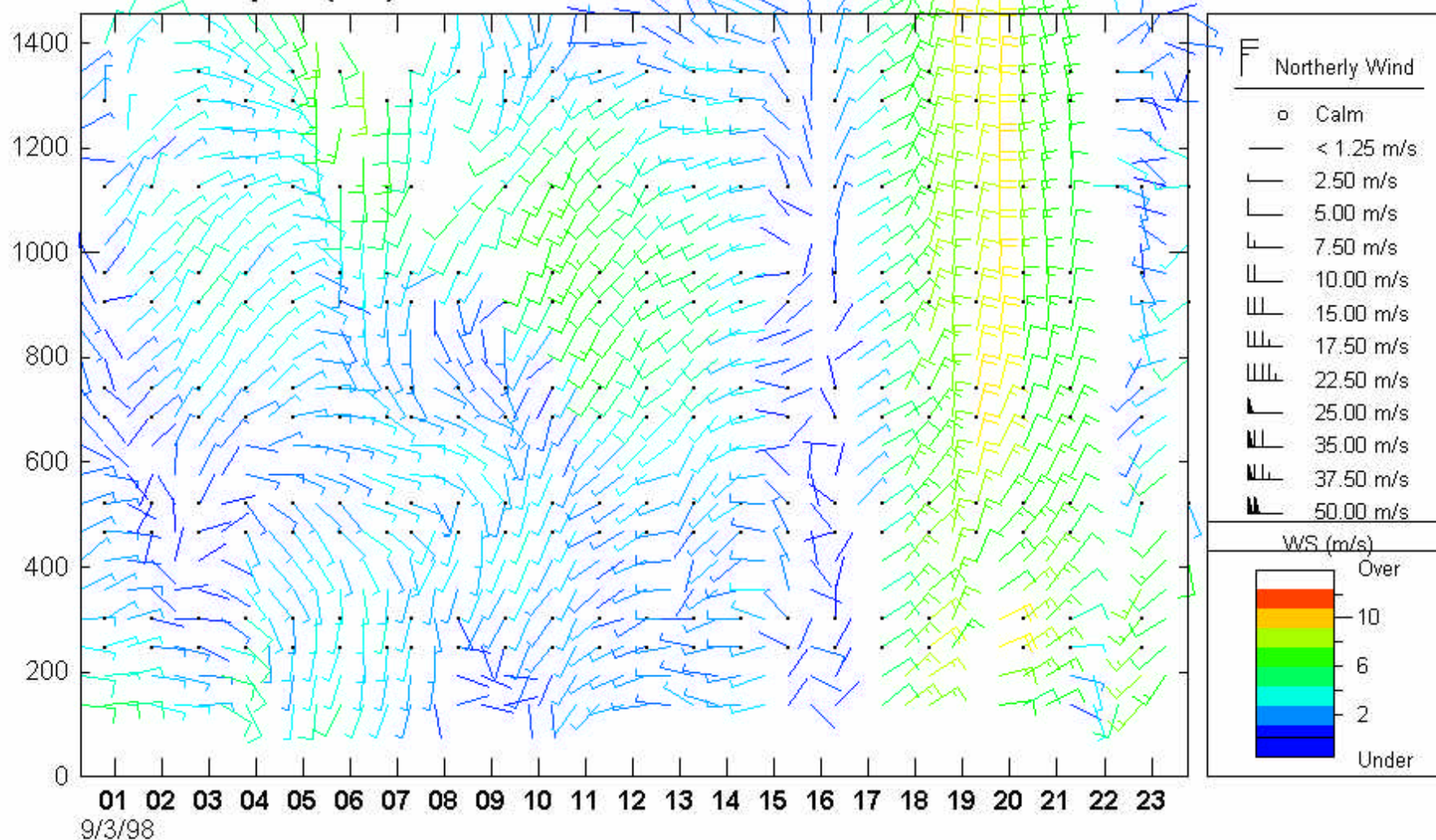
Printed: 5/13/99

San Joaquin Valley Unified Air Pollution

Height
(m-agl)

Visalia Airport (VIS)

Date: 9/3/98

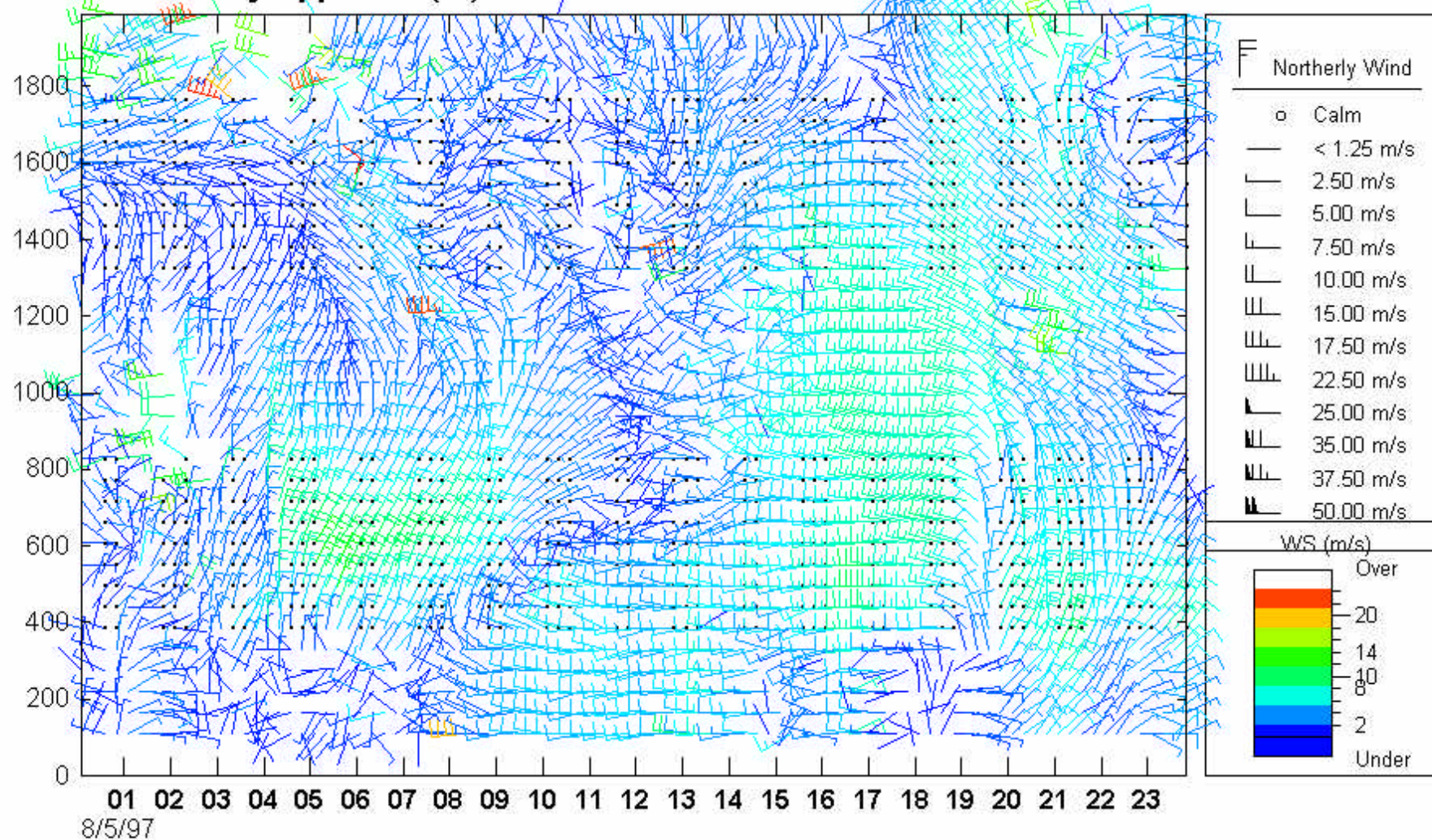


Ventura County Air Pollution

Height
(m agl)

Simi Valley Upper Air ()

Date: 8/5/97



Elev. (m): 279

Time (PST)

Validation Level: 0.0

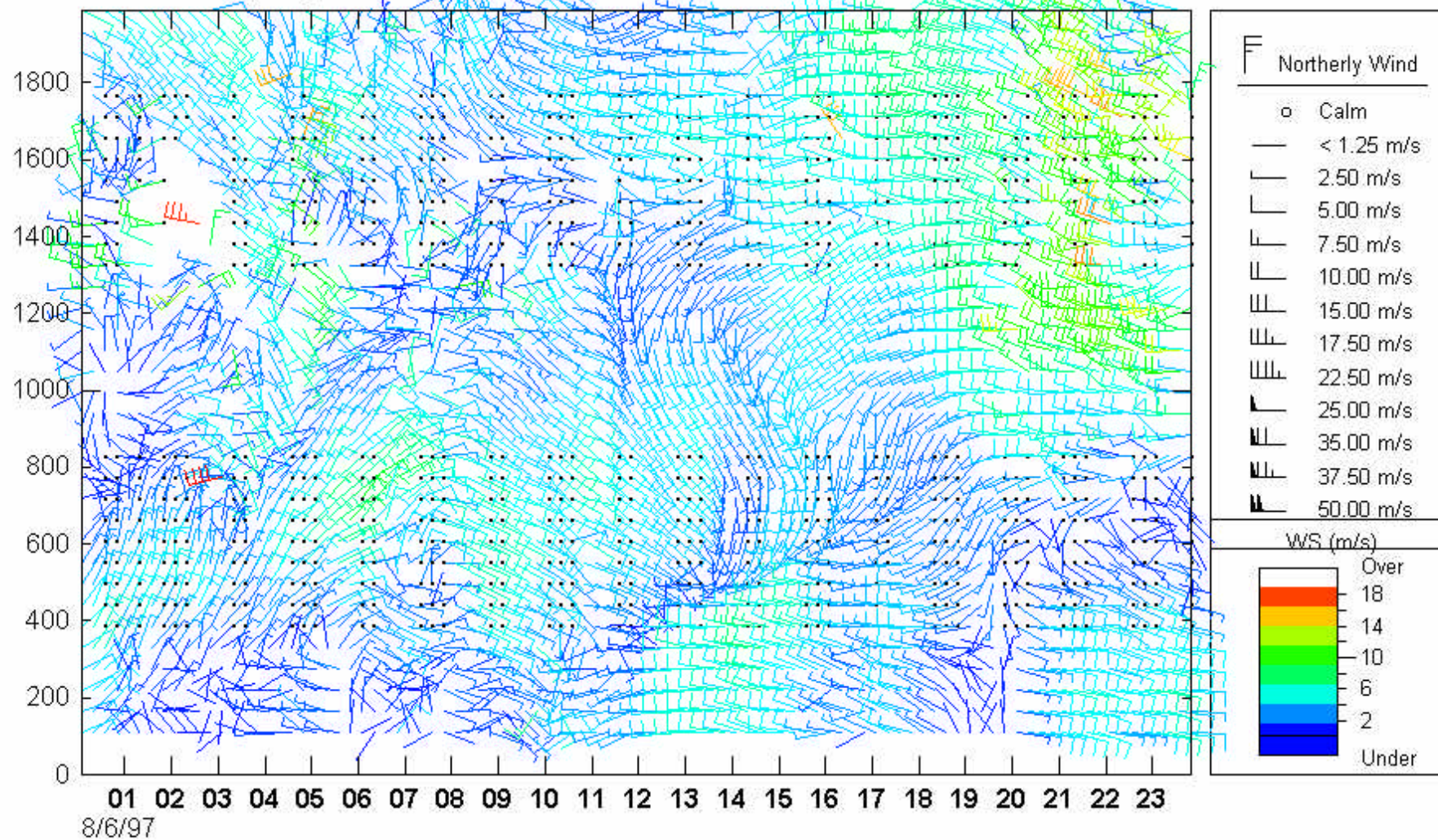
Printed: 5/13/99

Ventura County Air Pollution

Height
(m agl)

Simi Valley Upper Air ()

Date: 8/6/97

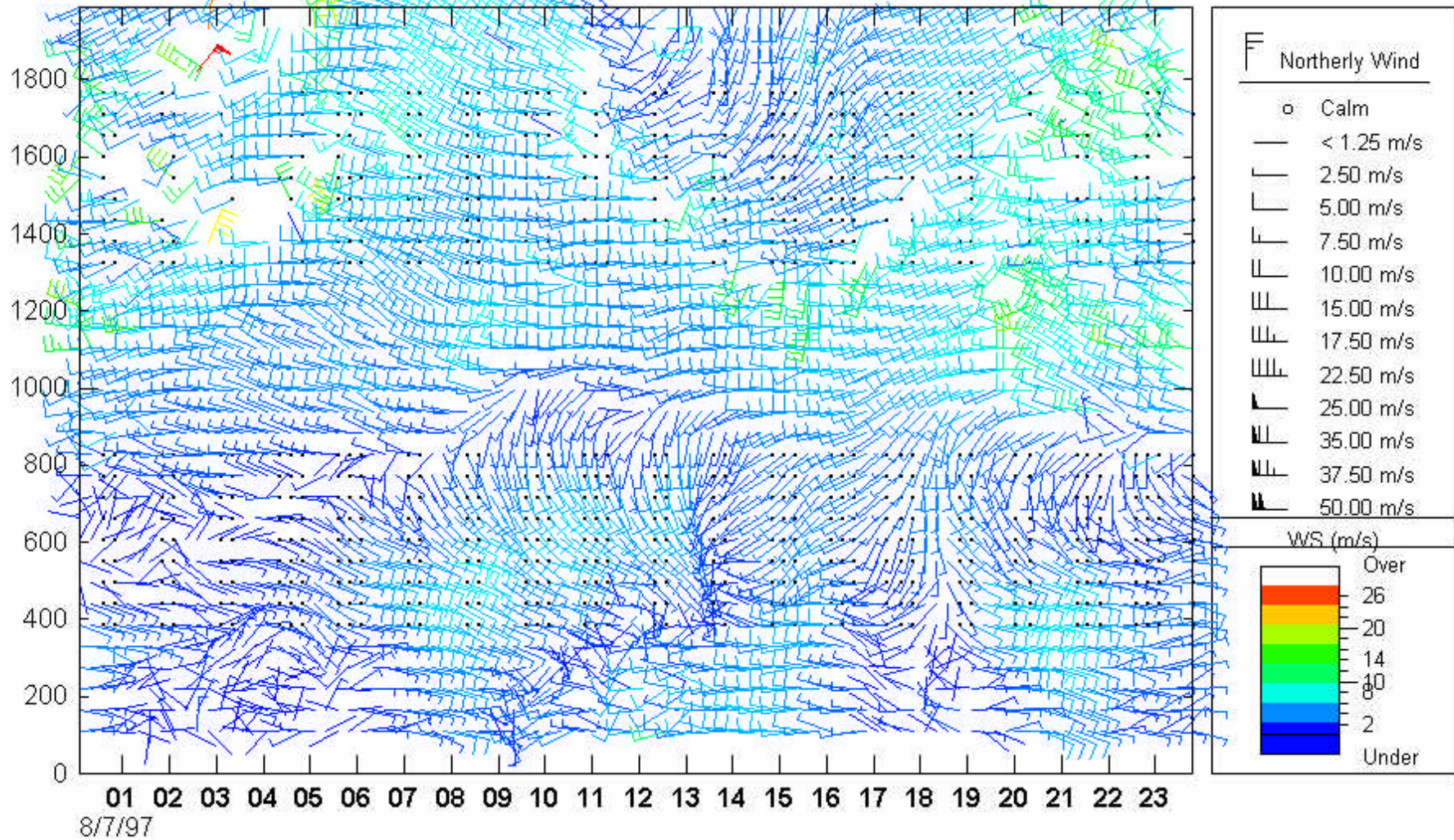


Ventura County Air Pollution

Height
(m agl)

Simi Valley Upper Air ()

Date: 8/7/97

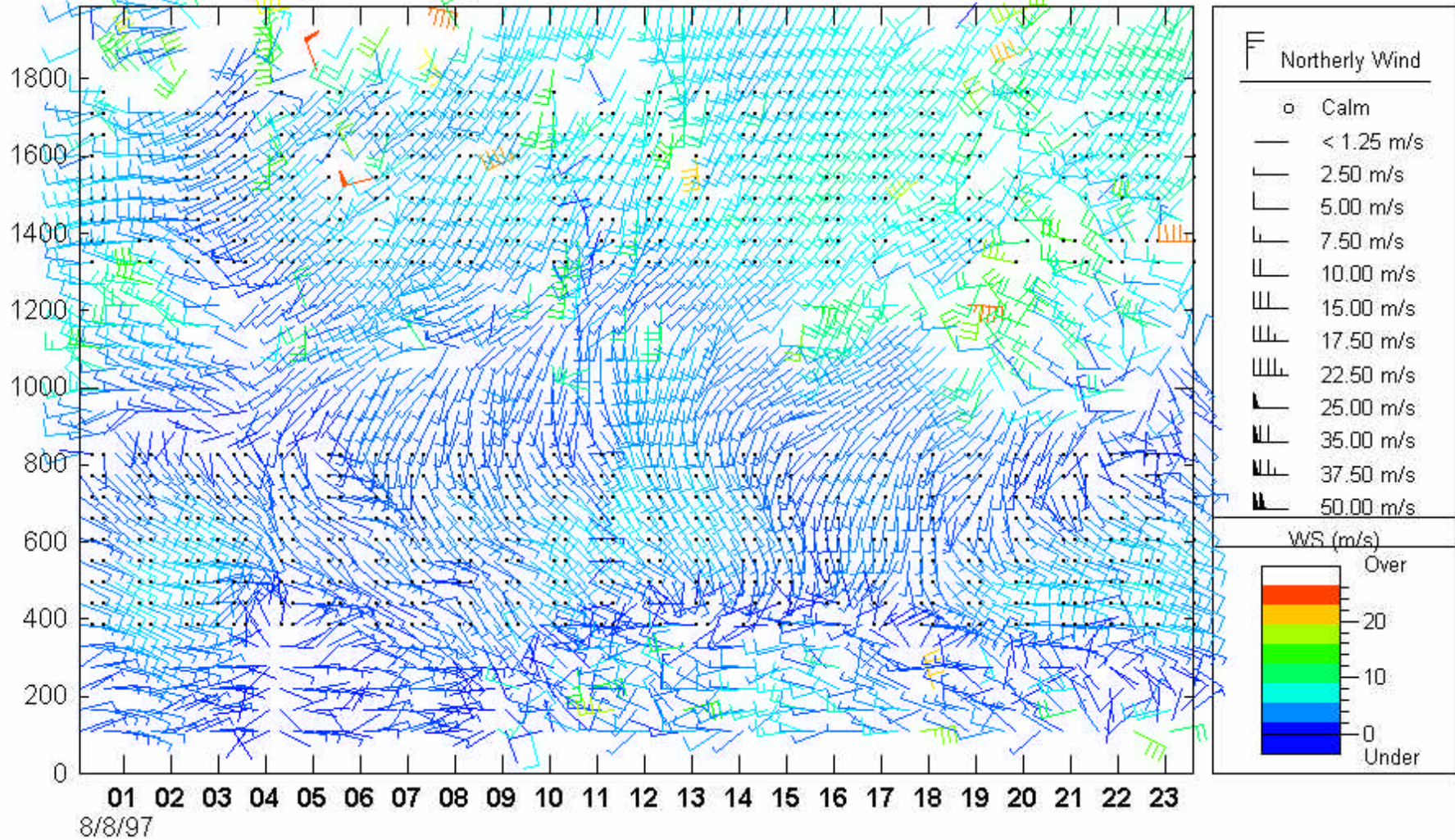


Ventura County Air Pollution

Height
(m agl)

Simi Valley Upper Air ()

Date: 8/8/97

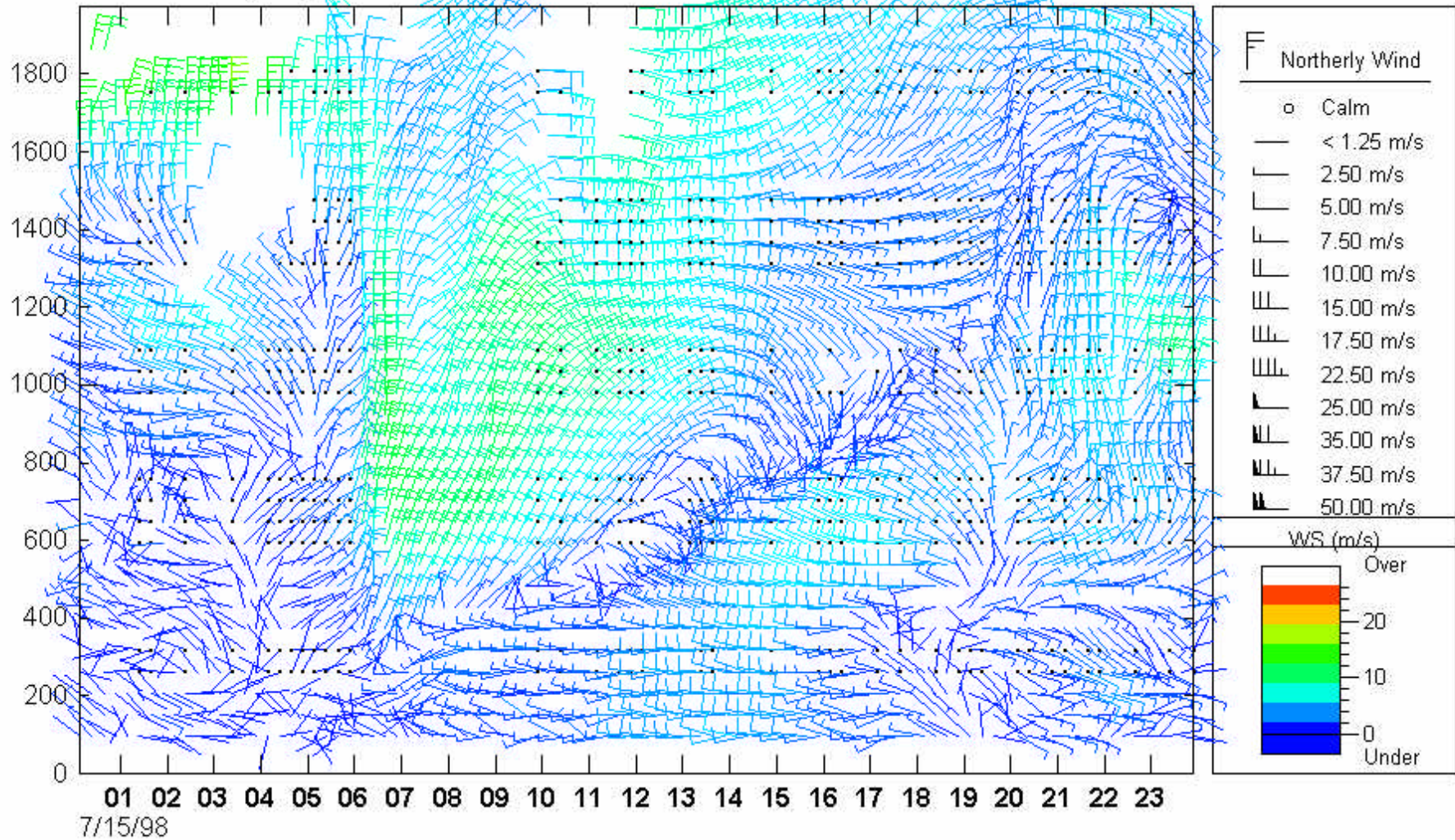


Ventura County Air Pollution

Height
(m-agl)

Simi Valley Upper Air (SIM)

Date: 7/15/98



Elev. (m): 279

Time (PST)

Validation Level: 0.0

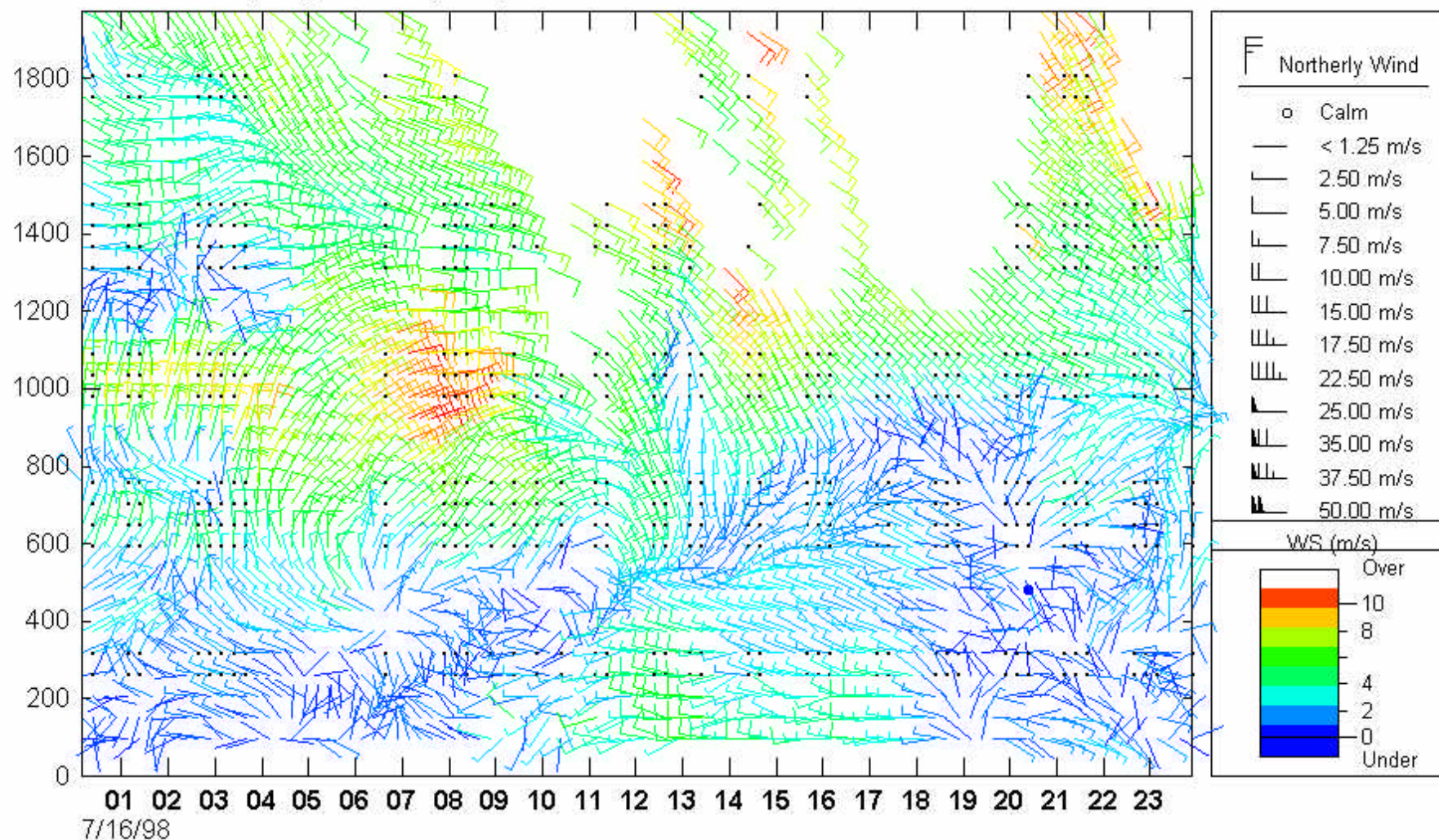
Printed: 5/13/99

Ventura County Air Pollution

Height
(m-agl)

Simi Valley Upper Air (SIM)

Date: 7/16/98 - 7/17/98



Validation Level: 0.0

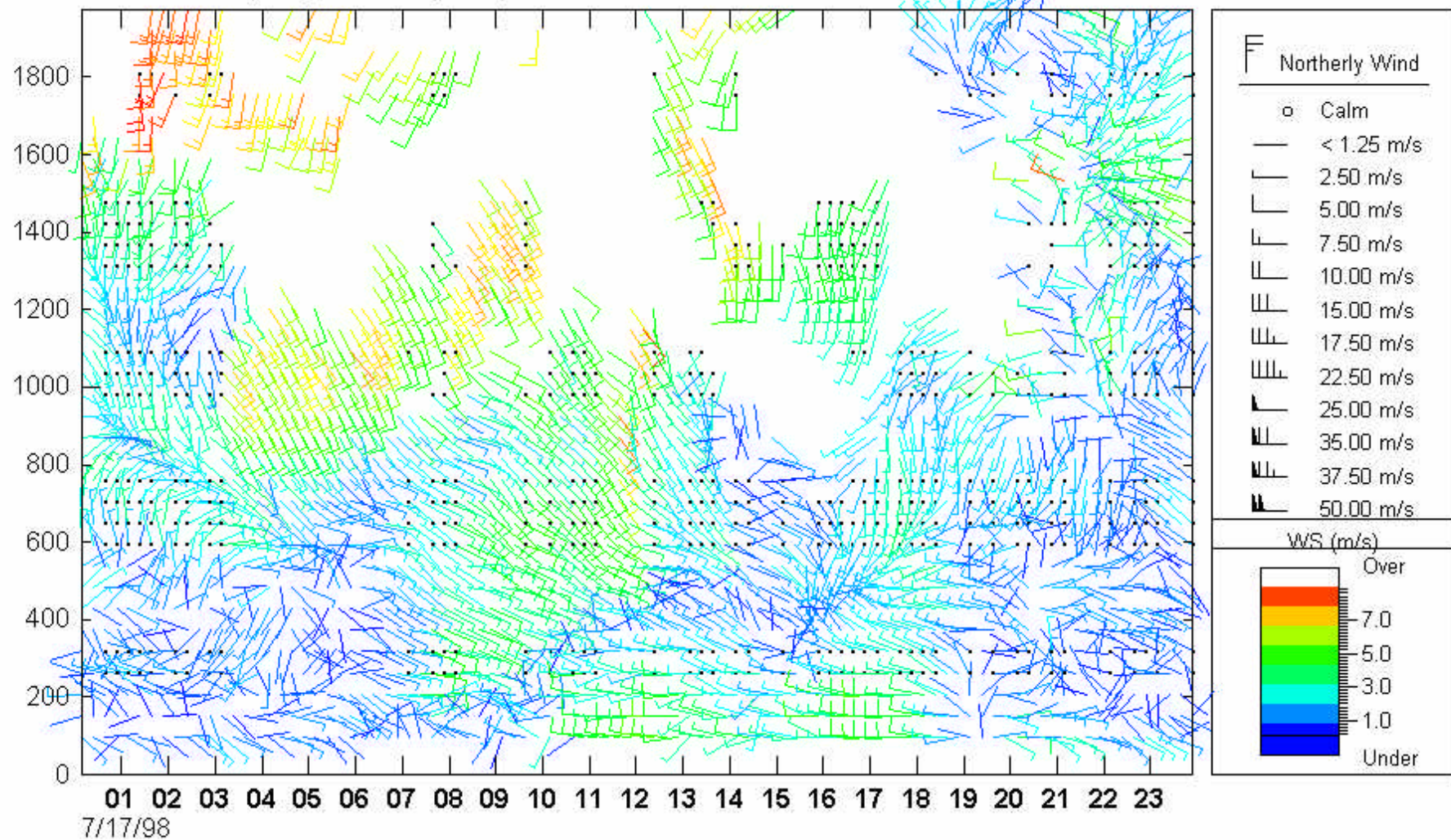
Printed: 5/13/99

Ventura County Air Pollution

Height
(m-agl)

Simi Valley Upper Air (SIM)

Date: 7/17/98



Elev. (m): 279

Time (PST)

Validation Level: 0.0

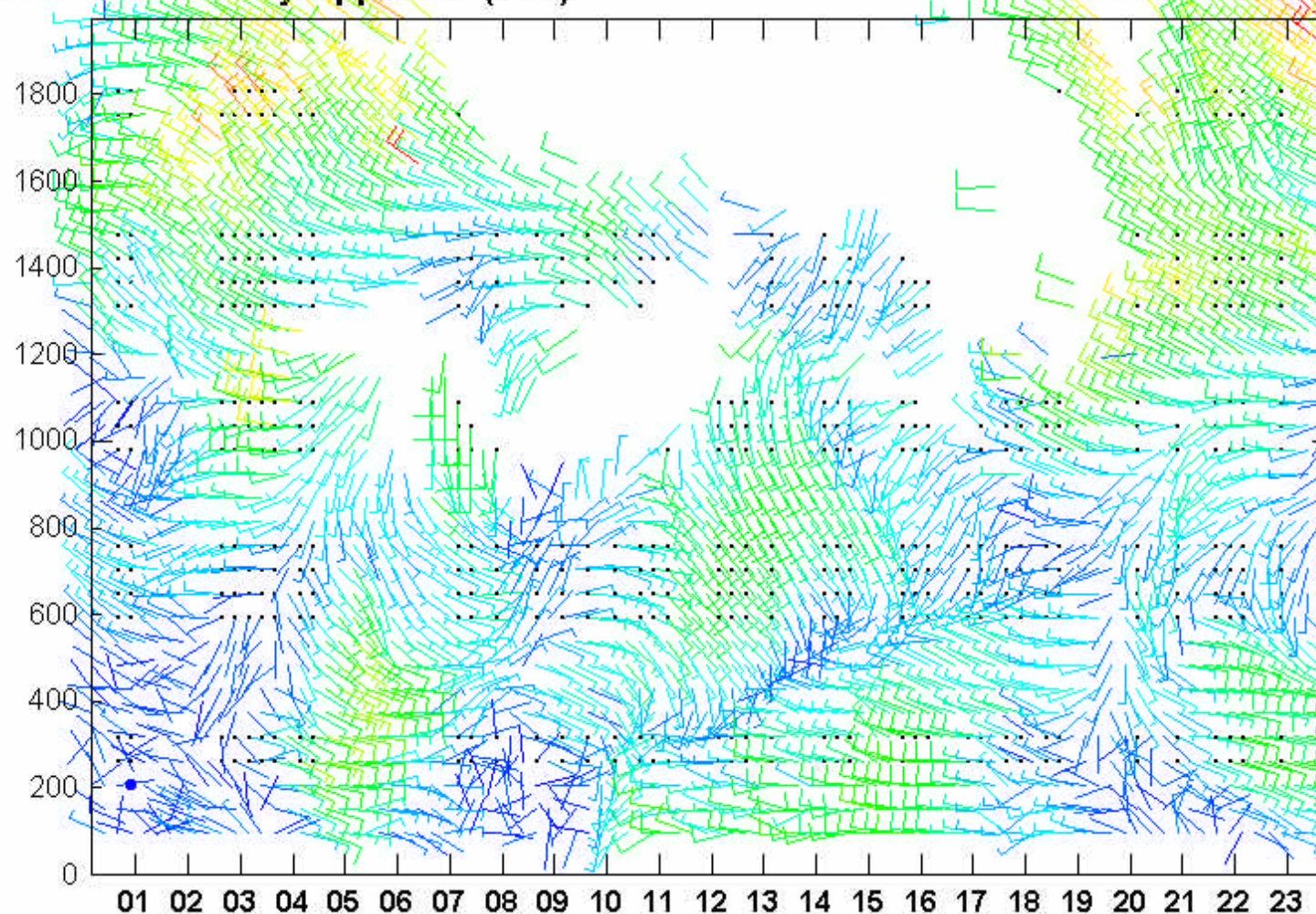
Printed: 5/13/99

Ventura County Air Pollution

Height
(m-agl)

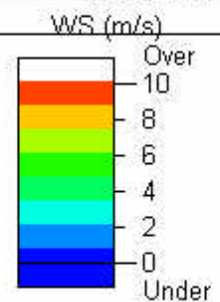
Simi Valley Upper Air (SIM)

Date: 7/18/98



F Northerly Wind

- Calm
- < 1.25 m/s
- 2.50 m/s
- 5.00 m/s
- 7.50 m/s
- 10.00 m/s
- 15.00 m/s
- 17.50 m/s
- 22.50 m/s
- 25.00 m/s
- 35.00 m/s
- 37.50 m/s
- 50.00 m/s



7/18/98

Elev. (m): 279

Time (PST)

Validation Level: 0.0

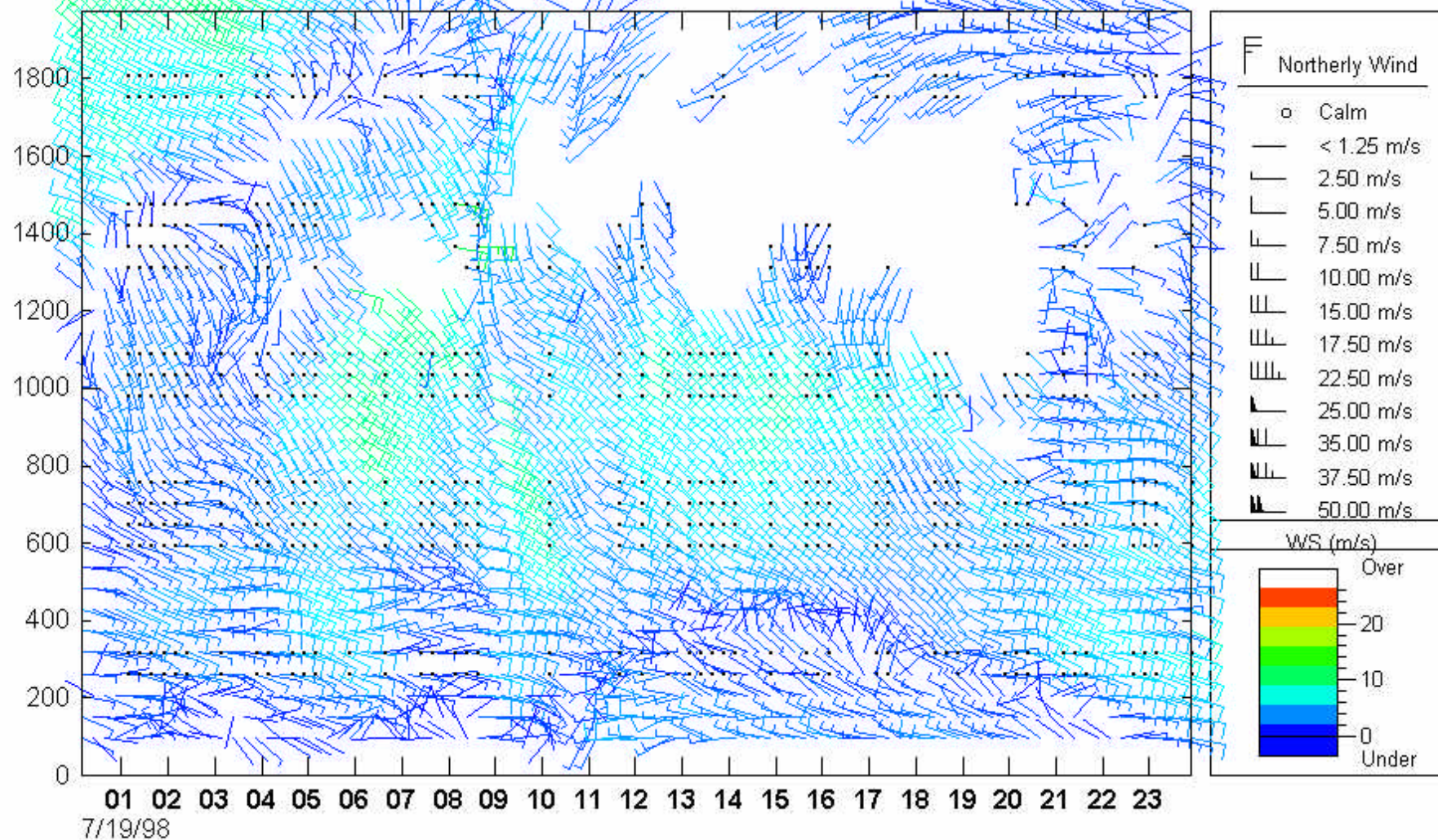
Printed: 5/13/99

Ventura County Air Pollution

Height
(m-agl)

Simi Valley Upper Air (SIM)

Date: 7/19/98



Elev. (m): 279

Time (PST)

Validation Level: 0.0

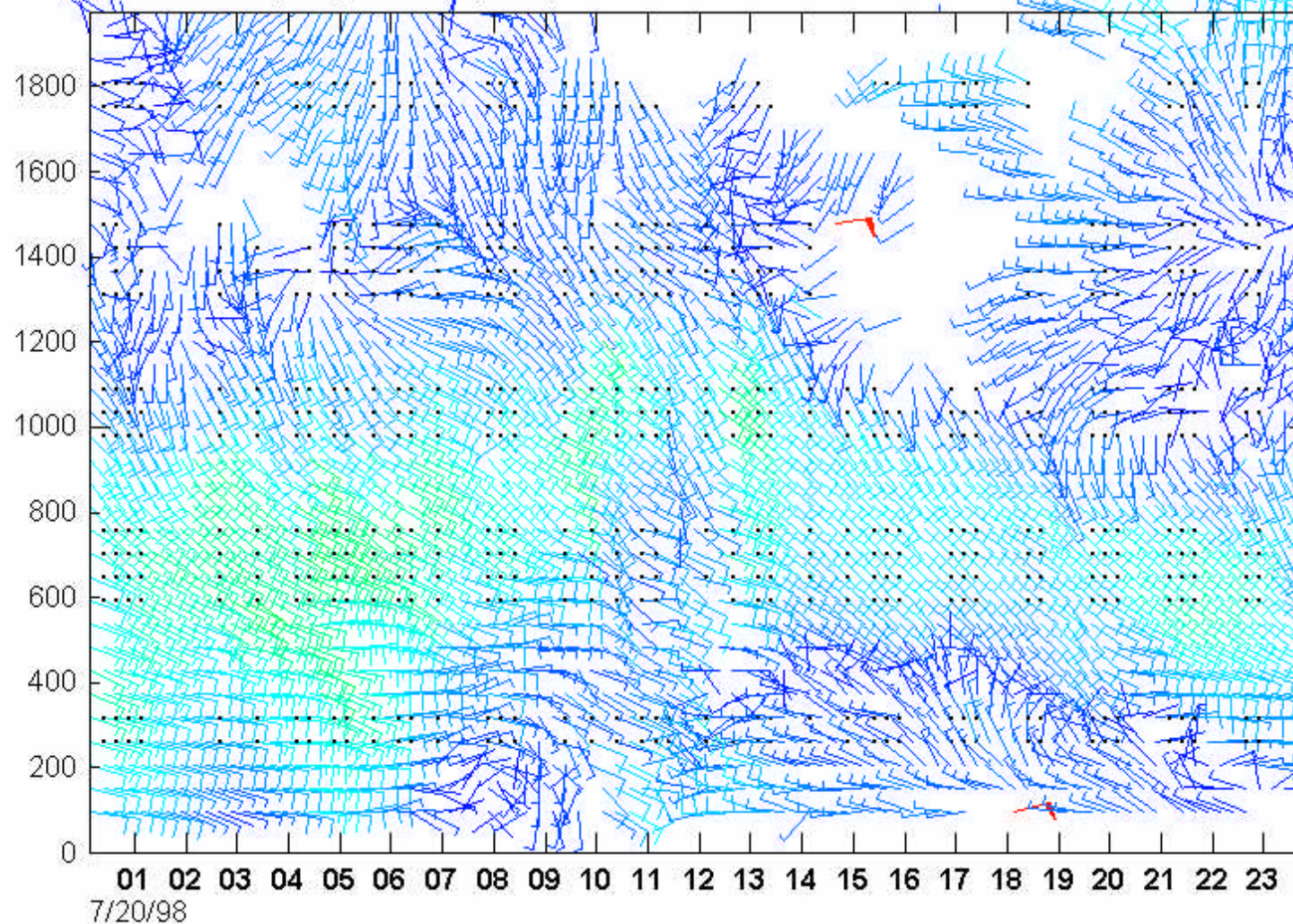
Printed: 5/13/99

Ventura County Air Pollution

Height
(m-agl)

Simi Valley Upper Air (SIM)

Date: 7/20/98



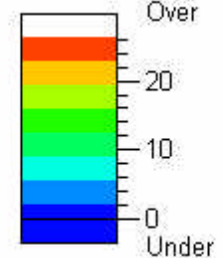
Elev. (m): 279

Time (PST)

F Northerly Wind

- Calm
- < 1.25 m/s
- 2.50 m/s
- 5.00 m/s
- 7.50 m/s
- 10.00 m/s
- 15.00 m/s
- 17.50 m/s
- 22.50 m/s
- 25.00 m/s
- 35.00 m/s
- 37.50 m/s
- 50.00 m/s

WS (m/s)



Validation Level: 0.0

Printed: 5/13/99